

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

I. Background

J. Ray McDermott, Inc. owns and operates a Fabrication facility located at the intersection of Bayou Boeuf, Bayou Chene, and US Hwy 90 and spans two parishes: Assumption and St Mary. The facility, referred to as Morgan City Fabrication Facility, encompasses 870 acres and consists of two contiguous facilities currently permitted separately: The East Fabrication Yard, the larger of the two with 815 acres, is located near the town of Boeuf in Assumption Parish and operates under Air Permit No. 0200-00009-V2, issued August 23, 2006. The St. Mary West Fabrication Operations, covers 65 acres, is located near Amelia in St. Mary Parish, and operates under Air Permit No. 2660-00206-00, issued September 1, 1998.

The East Yard was previously a grandfathered facility and was granted its initial Permit No. 0200-00009-00 on June 6, 1996. The facility's initial Part 70 Permit No. 0200-00009-V0 was issued March 15, 2000. A request to increase the operating hours of turbine commissioning, Emission Point 6-96, from 180 hrs/yr to 900 hrs/yr (i.e., increasing the total sum of the ratings of the turbines commissioned on site from 10,000 horsepower-hour per year to 120,000 horsepower-hour per year) was approved under Permit No. 0200-00009-V1 issued May 27, 2004. Addition of a new pipe jointing unit consisting of welding pipe sections (Emission Point 1-06), blasting (Emission Point 2-06), fusion bonded epoxy (FBE) application (Emission Point 3-06), and insulation (Emission Point 4-06) activities was approved and Air Permit No. 0200-00009-V2 was granted on August 23, 2006, under which the facility is currently operating.

The West Fabrication Yard was also part of a grandfathered facility initially started by Avondale Industries in 1957 and was acquired by McDermott Inc., in 1989. McDermott, Inc. subdivided the facility into four ship yards separated along parish lines. The West Fabrication Yard became part of St. Mary Shipyard, which also included a ship building yard and a ship repair yard. A leasing agreement for the ship yard repair with Bollinger Morgan City, Inc. physically divided the shipbuilding yard from the West Fabrication Yard. McDermott subsequently merged with Bollinger shipbuilding yard facility leaving the West Fabrication Yard with McDermott, Inc. McDermott, Inc. became J. Ray McDermott, Inc. on January 31, 1995. Air Permit No. 2660-00206-00, granted on September 1, 1998, was the initial permit under the name St. Mary West Fabrication Operations, under which the facility is currently operating.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana**

II. Origin

J. Ray McDermott, Inc. submitted an application and Emission Inventory Questionnaire (EIQ) dated September 13, 2004 to renew and modify the Part 70 Permit No. 0200-00009-V2. Revised submittals dated July 26, 2005, and September 20, 2005 were received. Additional information was received on January 20, 2006, April 12, June 07 and August, 16, 2006. A complete and revised submittal dated August 17, 2006 was also received. Additional information dated October 3, 2006 was received. A final revision of the application dated October 18, 2006 was received. Additional information dated November 7, 2006 was also received.

III. Description

J. Ray McDermott, Inc's Morgan City Fabrication Facility, located near Amelia, Louisiana, encompasses 870 acres and spans two parishes. The facility contiguous site consists of two yards currently permitted separately: the East Yard (815 acres), located in Assumption Parish, and the West Yard (65 acres), located in St. Mary Parish. This facility is able to fabricate offshore oil support structures, production platforms, bridge and highway girders, steel containers, aircraft carrier modules, ships, and other nontraditional market demands. The facility consists of large construction areas and buildings utilized for fabrication, multiple small shops which support a fleet of diesel and gasoline-powered heavy construction equipment, and several fuel, lubricant, and solvent tanks.

Air emissions originate from fabrication (welding and steel cutting), open-air sand blasting and painting of steel structures, which are too large to enclose. An estimated 70% of the painting operations employ air assisted airless spray technology that reduces paint over spray. The remaining 30% uses high volume, low pressure and air assisted spray apparatus.

In one subassembly facility, numerically controlled equipment lofts and cuts pipe, plate and structural shapes, the basic building blocks for steel fabrications. Panel and grinder lines provide mechanized fixturing and automatic welding for flat panel and girder fabrication. Other subassembly facilities include several covered pipe mills, a leg fabrication rack, pipe spool shop, pile racks, and a complete painting and blasting area. There is also an enclosed facility for shotblasting and priming structural components prior to assembly.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

In the assembly areas, craftsmen use dual shield flux-core welding to finish fabrication. Process modules, deck sections, and other similarly sized structures are fabricated in one of two identical covered buildings. Each building has eight 100 x 400 ft construction bays, twenty-four 20-ton overhead bridge cranes with a 100-ft span, crawler cranes, and side booms for supplemental lifting.

Jackets and other large structure are fabricated in large open areas. These areas can simultaneously support numerous projects regardless of size. Large fabrication projects are supported by a fleet of crawler cranes, diesel-electric locomotive cranes, side looms, bulldozers, winch trucks and a 5,000-ton barge-mounted shear-leg crane to provide extra lift support.

The Pipe-Jointing operation consists of the jointing (joining together) of 4 pre-coated and pre-insulated 40-foot pipe sections to form a single 160-foot long pipe. Approximately two feet on each end of the received pipe sections are not coated and insulated to facilitate the jointing operation. Once the pipe ends have been joined together, the completion of the operation involves a two-step process involving the coating and insulation of the completed pipe joints. In the first step, the joints are coated with a Fusion Bonded Epoxy (FBE) powder (which does not contain any HAP) using an electrostatic deposition system that maximizes transfer efficiency to the joint. The joints are electrically heated in place and the FBE melts and forms a corrosion-inhibiting film. Once the FBE is melted and the film is formed, the metal substrate is coated and the coating operation is concluded. After the coating operation is complete, the second step, i.e., the insulation of the coated joints, takes place. In this operation, solid polyurethane (SPU), containing a small amount of methylene diphenyl diisocyanate (MDI) used to cure the polyurethane, is poured into a reusable rigid mold fitted around the pipe joint, which quickly hardens to form an insulating layer around the joint.

J Ray McDermott, Inc. proposes to effect the actions and changes listed below:

1. Renew the Part 70 Air Permit No. 0200-00009-V2,
2. Include the emission sources from West Fabrication Yard, a contiguous facility, currently assigned agency interest AI No. 692 and is operating under state Permit No. 2660-00206-00 issued September 1, 1998,
3. Assign the name Morgan City Fabrication Facility to the contiguous facility and retain the East Fabrication Yard permit renewal number,
4. Allow ship building and ship repair operations at the site currently prohibited by a federally enforceable condition,
5. Install a 330 horsepower marine back up generator, Emission Point 1-04,

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

6. Install a 500 gallon storage tank, Emission Point 7-04,
7. Add parts washer, Emission Point 8-04,
8. Break down the indoor blasting activities presently lumped under Emission Point 6-95 into its separate blasting tools and corresponding collectors (6-95A, 6-95B and 6-95C),
9. Include existing previously un-permitted emission sources such as: abrasive silos, Silo Unloading (sand pot filling) and two heating tables, Emission Points 2-04, 3-04, 5-04, and 6-04, respectively. Also list new sources under the insignificant activities heading,
10. Remove T29 Diesel Tank, Emission Point 2-96,
11. Remove four air compressors, Emission Points, 1-99, 3-99, 6-99 and 7-99,
12. Incorporate previously permitted actions such as exemptions or Case-By-Case Insignificant Activities,
13. Update the emissions using the latest approved emission factors and the most recent methods of calculation.

Emissions at the facility originate from welding, cutting, the stacks of the air compressor sand pumps engines, the tanks vents, painting, blasting, cleaning, and equipment leaks (fugitives).

Estimated emissions from this facility in tons per year are as follows:

Pollutant	Emissions in tons/yr		
	Before	After	Change
PM ₁₀	23.14	129.94	+ 106.80
SO ₂	10.68	10.66	- 0.02
NO _x	63.68	67.91	+ 4.23
CO	71.96	72.34	+ 0.38
VOC	261.05 ¹	265.51 ¹	+ 4.46
TAP	131.29 ²	259.77 ²	+ 128.48

¹See VOC speciation and others presented below.

²Includes PM metals, see speciation for TAPs.

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
1,4 Dichlorobenzene	0.001	0.047	+ 0.046
2-Nitropropane	0.013	0.013	-
Benzene	0.027	0.076	+ 0.049
n-Butyl Alcohol	3.002	3.002	-
Cumene	0.016	1.173	+ 1.157
Dibutyl Phthalate	0.013	0.013	-
Epichlorohydrin	-	0.001	+ 0.001
Ethylbenzene	4.000	14.846	+ 10.846
Ethylene Glycol	0.013	0.947	+ 0.934
Formaldehyde	0.013	0.458	+ 0.445
Glycol Ethers	2.985	3.002	+ 0.017
Hexamethylene 1,6 diisocyanate	-	0.002	+ 0.002
Isooctane (2,2,4-Trimethylpentane)	0.080	0.080	-
Methanol	30.246	61.583	+ 31.337
Methyl Ethyl Ketone (MEK)	9.500	14.751	+ 5.251
Methyl Isobutyl Ketone (MIBK)	0.978	0.978	-
Methyl Tertiary Butyl Ether (MTBE)	-	0.499	+ 0.499
Methylene Diphenyl Diisocyanate (MDI)	0.006	0.006	-
n-Hexane	0.019	0.744	+ 0.725
Naphthalene & Methylnaphthalene	0.268	0.693	+ 0.425
Phenol	0.051	0.051	-
Polynuclear Aromatic Hydrocarbons*	0.003	0.003	-
Styrene	-	0.001	+ 0.001
Toluene	44.018	67.626	+ 23.608
Xylene	17.000	52.968	+ 35.968
Total	112.252	223.563	+111.311

*Excludes naphthalene and methyl naphthalenes.

Other VOC (TPY):

41.947

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

Non VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	0.013	0.013	-
(Dichloromethane) Methylene Chloride	0.766	0.034	- 0.732
Nitric Acid	0.013	0.013	-
Tetrachloroethylene	-	0.058	+ 0.058
Barium (and Compounds)	0.406	0.441	+ 0.035
Cadmium	0.001	0.005	+ 0.004
Chromium VI (and Compounds)	0.026	0.008	- 0.018
Cobalt (and Compounds)	-	0.002	+ 0.002
Copper (and Compounds)	0.167	0.259	+ 0.092
Lead (and Compounds)	0.064	6.365	+ 6.301
Manganese (and Compounds)	1.280	0.656	- 0.624
Nickel (and Compounds)	0.005	0.118	+ 0.113
Zinc (and Compounds)	16.293	28.234	+ 11.941
Total	19.034	36.206	+ 17.172

IV. Type of Review

This application was reviewed for compliance with the Louisiana Preconstruction and Part 70 Operating Permit Program. It was also reviewed for compliance with Louisiana Air Quality Regulations, the National Emission Standards for Hazardous Air Pollutants (NESHAP) and the Compliance Assurance Monitoring Air Program (CAM). New Source Performance Standards (NSPS) and Prevention of Significant Deterioration (PSD) do not apply.

This facility is a major source of toxic air pollutants (TAP), and must comply with the Louisiana Shipbuilding and Ship Repair Facilities and Outdoor Surface Coating of Large Structures, MACT Determination dated November 13, 1995 in accordance with the approved Compliance Plan No. 92094 dated March 29, 1996.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana**

The facility must comply with all applicable provisions of 40 CFR 63 Subpart II - "National Emission Standards for Shipbuilding and Repair (Surface Coating)", promulgated December 15, 1995.

The facility must also comply with all applicable provisions of 40 CFR 63 Subpart MMMM - "National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products", promulgated January 2, 2004 - by the applicable date.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 200X; and in the <local paper>, <local town>, on <date>, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana**

VII. Effects on Ambient Air

Dispersion Calculations:		ISCST3 (screen)		
Pollutant	Time Period	Maximum Ground Level Concentration	Louisiana Air Quality Standards & NAAQS	
PM ₁₀	Annual	47.27 µg/m ³	50	µg/m ³
PM ₁₀	24-hour	147.98 µg/m ³	150	µg/m ³
Chromium VI	Annual	0.005 µg/m ³	0.01	µg/m ³
Nickel	8-hour	0.091 µg/m ³	0.21	µg/m ³
Zinc	8-hour	80.358 µg/m ³	119.00	µg/m ³

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons			
		PM ₁₀	SO ₂	NO _x	CO
NONE					VOC

IX. Insignificant Activities

ID No.:	Description	(Max) Capacity	Citation
10	Diesel Storage Tank	1,128 gals	LAC 33:III.501B.5.A.3
31	Diesel Storage Tank	2,071 gals	LAC 33:III.501B.5.A.3
40	Diesel Storage Tank	3,384 gals	LAC 33:III.501B.5.A.3
46	Varsol Storage Tank	172 gals	LAC 33:III.501B.5.A.2
51	Oil Storage Tank	6,015 gals	LAC 33:III.501B.5.A.3
52	Oil Storage Tank	6,015 gals	LAC 33:III.501B.5.A.3
97	Used Antifreeze Storage Tank	317 gals	LAC 33:III.501B.5.A.3

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

Insignificant Activities (Continued)

ID No.:	Description	(Max) Capacity	Citation
98	Used Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
100	Oily Water Storage Tank	2,058 gals	LAC 33:III.501B.5.A.3
108	Oily Water Storage Tank	1,175 gals	LAC 33:III.501B.5.A.3
117	Oil Storage Tank	3,436 gals	LAC 33:III.501B.5.A.3
118	Oil Storage Tank	3,436 gals	LAC 33:III.501B.5.A.3
119	Oil Storage Tank	3,436 gals	LAC 33:III.501B.5.A.3
120	Oil Storage Tank	3,436 gals	LAC 33:III.501B.5.A.3
123	Used Oil Storage Tank	2,057 gals	LAC 33:III.501B.5.A.3
124	Used Oil Storage Tank	2,057 gals	LAC 33:III.501B.5.A.3
132	Waste Oil Storage Tank	650 gals	LAC 33:III.501B.5.A.3
133	Waste Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
134	Antifreeze Storage Tank	2,057 gals	LAC 33:III.501B.5.A.3
135	Varsol Storage Tank	2,555 gals	LAC 33:III.501B.5.A.3
137	Oily Water Storage Tank	8,083 gals	LAC 33:III.501B.5.A.3
139	Oily Water Storage Tank	8,083 gals	LAC 33:III.501B.5.A.3
150	Waste Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
156	Used Antifreeze Storage Tank	317 gals	LAC 33:III.501B.5.A.3
161	Oily Water Storage Tank	2,031 gals	LAC 33:III.501B.5.A.3
162	Waste Oil Storage Tank	2,057 gals	LAC 33:III.501B.5.A.3
163	Waste Oil Storage Tank	2,057 gals	LAC 33:III.501B.5.A.3
172	Oily Water Storage Tank	7,049 gals	LAC 33:III.501B.5.A.3
177	Waste Oil Storage Tank	185 gals	LAC 33:III.501B.5.A.2
192	Waste Oil Storage Tank	211 gals	LAC 33:III.501B.5.A.2
194	Waste Oil Storage Tank	564 gals	LAC 33:III.501B.5.A.3
	AW 68 Hydraulic Oil Storage Tank	493 gals	LAC 33:III.501B.5.A.3
	Dextron III Storage Tank	493 gals	LAC 33:III.501B.5.A.3
	Tellas 46 Hydraulic Oil Storage Tank	1,052 gals	LAC 33:III.501B.5.A.3

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

Insignificant Activities (Continued)

ID No.:	Description	(Max) Capacity	Citation
	Waste Oil Storage Tank	8,023 gals	LAC 33:III.501B.5.A.3
	Waste Oil Storage Tank	8,023 gals	LAC 33:III.501B.5.A.3
	15W-40 Oil Storage Tank	493 gals	LAC 33:III.501B.5.A.3
	Antifreeze Storage Tank	493 gals	LAC 33:III.501B.5.A.3
	Oily Water Storage Tank*	317 gals	LAC 33:III.501B.5.A.3
	Diesel Storage Tank	517 gals	LAC 33:III.501B.5.A.3
	Diesel Storage Tank	239 gals	LAC 33:III.501B.5.A.2
	Diesel Storage Tank	479 gals	LAC 33:III.501B.5.A.3
	Diesel Storage Tank	190 gals	LAC 33:III.501B.5.A.2
	Waste Oil Storage Tank	564 gals	LAC 33:III.501B.5.A.3
	15W-40 Oil Storage Tank	273 gals	LAC 33:III.501B.5.A.3
	Dextron Oil Storage Tank	273 gals	LAC 33:III.501B.5.A.3
	85W 140 Oil Storage Tank	273 gals	LAC 33:III.501B.5.A.3
	Oil (Luibriguard) Storage Tank	273 gals	LAC 33:III.501B.5.A.3
	Oil (Hydatranz) Storage Tank	2,058 gals	LAC 33:III.501B.5.A.3

Oil Cylinders on Trailers

Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3

Oil Cylinders on Rental Trucks

Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

Insignificant Activities (Continued)

ID No.:	Description	(Max) Capacity	Citation
Oil Cylinders on Rental Trucks (Cont'd)			
	Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
	Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
	Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
	Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
	Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
	Oil Storage Tank	317 gals	LAC 33:III.501B.5.A.3
Dryers /Heaters			
	Dryer (Rotoblast Building No. 1)	0.30 MMBTU/hr	LAC 33:III.501B.5.A.5
	Dryer (Rotoblast Building No. 1)	0.30 MMBTU/hr	LAC 33:III.501B.5.A.5
	Dryer (Rotoblast Building No. 2)	0.30 MMBTU/hr	LAC 33:III.501B.5.A.5
	Dryer (Rotoblast Building No. 2)	0.30 MMBTU/hr	LAC 33:III.501B.5.A.5
	Dryer (Rotoblast Building No. 2)	0.30 MMBTU/hr	LAC 33:III.501B.5.A.5
	Dryer (Rotoblast Building No. 2)	0.30 MMBTU/hr	LAC 33:III.501B.5.A.5

*Vendor supplied vessel.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III. Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2123	2131	2151	22	29*	51*	53*	56
GRP003	Plant Wide	1	1	1	1				1					1	1	1	1	1
ARE001	1-95 Outdoor Painting								1									1
ARE002	2-95 Outdoor Blasting				1													1
ARE006	1-96 Solvent Cleaning								1				3					1
ARE007	8-04 Parts Washers								1			3		1				
ARE008	1-95A Outdoor Painting - Shipbuilding								1					1				-
ARE009	2-95A Outdoor Blasting - Shipbuilding							1							1			
ARE010	1-96A Solvent Cleaning - Shipbuilding									1			3					
ARE011	4-06 Joint Insulation								1			3		1				
EQT016	3-95 Steel Cutting, Natural Gas									1				1				
EQT045	3-95A Steel Cutting, Natural Gas - Shipbuilding								1					1				
EQT017	5-95 T9 Gasoline Tank									1		3			1			
EQT018	7-95 T36 Solvent Tank									1				1				

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III:Chapter												2	2	2	2	2	
		5▲	9	11	13	15	2103	2104*	2107	2111	2123	2131	2151	22	29*	51*	53*	56	59*
EQT019	8-95 T37 Solvent tank													1				1	
EQT020	9-95 Welding														1				
EQT021	5-96 Air Compressor Driver Commissioning	1	1	1											2				
EQT022	6-96 Turbine Commissioning	1	1	1											2				
EQT024	2-99 Air Compressor	1	1	1											2				
EQT026	4-99 Air Compressor	1	1	1											2				
EQT027	5-99 Air Compressor	1	1	1											2				
EQT030	8-99 Backup Generator	1	1	1											2				
EQT031	9-99 Backup Generator	1	1	1											2				
EQT032	10-99 Drainage Pump	1	1	1											2				
EQT033	11-99 Storm Water Backup Pump	1	1	1											2				
EQT034	12-99 Storm Water Backup Pump	1	1	1											2				
EQT035	13-99 Fire Water Pump	1	1	1											2				
EQT036	4-95 T-28 Diesel Tank													2					

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																	
		5▲	9	11	13	15	2103	2104*	2107	2111	2123	2131	2151	22	29*	51*	53*	56	59*
EQT037	3-96 T125 Waste Oil Tank							2											
EQT038	4-96 T126 Waste Oil Tank							2											
EQT039	1-04 Marine Backup Diesel Generator								1	1	1				2		2		
EQT040	2-04 Abrasive Silos (Hoppers)							1							1				
EQT041	5-04 Heating Table No. 1							1	1						2		2		
EQT042	6-04 Heating Table No. 2							1	1						2		2		
EQT043	7-04 West Yard Gasoline Tank									1					2		1		
EQT044	9-95A Welding - Shipbuilding							1								1		1	
EQT045	3-95A Steel Cutting, Natural Gas - Shipbuilding							1							2		2		
EQT046	1-06 Jointing Welding Emissions							1							1		1		
EQT047	3-04 Abrasive Silo Unloading (Pot Filling)							1								1		1	
EQT048	6-95A Rotoblast No. 1 Dust Collector							1	1							1		1	
EQT049	6-95B Rotoblast No. 2 Dust Collector							1	1							1		1	
EQT050	6-95C Plate Blaster Dust Collector							1	1							1		1	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter																
		5▲	9	11	13	15	2103	2104*	2107	2111	2123	2131	2151	22	29*	51*	53*	56
EQT051	2-06 Joint Blaster Dust Collector	1		1												1		
EQT052	3-06 FBE Application Dust Collector	1		1												1		
FUG001	10-95 FUGITIVES											1						

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR			
		Kb	Db	Dc	GG	A	J	V	A	H	I	EEEE	MMMM	YYYY	ZZZZ	PPPP	52	64	68				
GRP003	Plant Wide											1	1	1	1								
ARE001	1-95 Outdoor Painting																						
ARE002	2-95 Outdoor Blasting																						
ARE006	1-96 Solvent Cleaning																						
ARE007	8-04 Parts Washers																						
ARE008	1-95A Outdoor Painting - Shipbuilding																						
ARE009	2-95A Outdoor Blasting - Shipbuilding																						
ARE010	1-96A Solvent Cleaning - Shipbuilding																						
ARE011	4-06 Joint Insulation																						
EQT016	3-95 Steel Cutting, Natural Gas																						
EQT017	5-95 T9 Gasoline Tank																						
EQT018	7-95 T36 Solvent Tank																						

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHAP												40 CFR			
		Kb	Db	Dc	GG	A	J	V	A	H	H	EEE	EEE	MM	YYYY	ZZZZ	PPPP	S2	64	68									
EQT019	8-95 T37 Solvent Tank	2								1	2																		
EQT020	9-95 Welding																												
EQT021	5-96 Air Compressor Driver Commissioning																	2	2										
EQT022	6-96 Turbine Commissioning									2								2	2										
EQT024	2-99 Air Compressor																		2										
EQT026	4-99 Air Compressor																		2										
EQT027	5-99 Air Compressor																		2										
EQT030	8-99 Backup Generator																		2										
EQT031	9-99 Backup Generator																		2										
EQT032	10-99 Drainage Pump																		2										
EQT033	11-99 Storm Water Backup Pump																		2										
EQT034	12-99 Storm Water Backup Pump																		2										
EQT035	13-99 Fire Water Pump																		2										

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
 Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR				
		Kb	Db	Dc	GG	A	J	V	A	H	II	EEEE	MMMM	YYYY	ZZZZ	PPPP	52	64
EQT036	4-95 T28 Diesel Tank	2								2								
EQT037	3-96 T125 Waste Oil Tank	2																
EQT038	4-96 T126 Waste Oil Tank	2																
EQT039	1-04 Marine Backup Diesel Generator															2		
EQT040	2-04 Abrasive Silos (Hoppers)																	
EQT041	5-04 Heating Table No. 1																	
EQT042	6-04 Heating Table No. 2																	
EQT043	7-04 West Yard Gasoline Tank	2																
EQT044	9-95A Welding - Shipbuilding																	
EQT045	3-95A Steel Cutting, Natural Gas - Shipbuilding																	
EQT046	1-06 Jointing Welding Emissions																	
EQT048	6-95A Rotoblast No. 1 Dust Collector															1		
EQT049	6-95B Rotoblast No. 2 Dust Collector																1	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR			
		Kb	Db	Dc	GG	A	J	V	A	H	H	EEEE	MMMM	YYYY	ZZZZ	PPPP	S2	64	68				
EQT050	6-95C Plate Blaster Dust Collector																						
EQT051	2-06 Joint Blaster Dust Collector																						
EQT052	3-06 FBE Application Dust Collector																						
FUG001	10-95 FUGITIVES																						

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
ARE006 1-96 Solvent Cleaning	LAC 33:III.2151 – Limiting Volatile Organic Compound Emissions from Cleanup Solvent Processing.	DOES NOT APPLY – Facility is not located in the parish of Ascension, East Baton Rouge, Iberville, Livingston, West Baton Rouge, Calcasieu or Pointe Coupee
	LAC 33:III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	DOES NOT APPLY – No Class I or Class II TAP is emitted above its MER.
ARE007 8-04 Parts Washers	LAC 33:III.2123 – Organic Solvents	DOES NOT APPLY – Emission rate is less than 3 lbs/hr and 15 lbs/day (LAC 33:III.2123.A).
	LAC 33:III.2151 – Limiting Volatile Organic Compound Emissions from Cleanup Solvent Processing.	DOES NOT APPLY – Facility is not located in the parish of Ascension, East Baton Rouge, Iberville, Livingston, West Baton Rouge, Calcasieu or Pointe Coupee
	LAC 33:III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	DOES NOT APPLY – No Class I or Class II TAP is emitted above its MER.
ARE010 1-96A Solvent Cleaning - Shipbuilding	LAC 33:III.2151 – Limiting Volatile Organic Compound Emissions from Cleanup Solvent Processing.	DOES NOT APPLY – Facility is not located in the parish of Ascension, East Baton Rouge, Iberville, Livingston, West Baton Rouge, Calcasieu or Pointe Coupee
	LAC 33:III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	DOES NOT APPLY – No Class I or Class II TAP is emitted above its MER.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**Morgan City Fabrication Facility**

Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

ARE011 4-06 Joint Insulation	LAC 33:III.2151 – Limiting Volatile Organic Compound Emissions from Cleanup Solvent Processing.	DOES NOT APPLY – Facility is not located in the parish of Ascension, East Baton Rouge, Iberville, Livingston, West Baton Rouge, Calcasieu or Point Coupee
	LAC 33:III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	DOES NOT APPLY – No Class I or Class II TAP is emitted above its MER.
EQT017 5-95 T9 Gasoline Tank	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	DOES NOT APPLY - Tank capacity is less than 20,000 gallons.
	40 CFR 63 – Subpart EEEE – National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (non-gasoline)	DOES NOT APPLY – Gasoline is not an organic liquid under the rule and is dispensed to and used by users as fuel on site (40 CFR 63.2406. Organic Liquid).
	LAC 33:III.2131 – Filling of Gasoline Storage Vessels LAC 33:III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	DOES NOT APPLY – Tank is located in an attainment area. DOES NOT APPLY – No Class I or Class II TAP is emitted above its MER.
EQT018 – 7-95 T36 Solvent Tank	LAC 33:III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	DOES NOT APPLY – No Class I or Class II TAP is emitted above its MER.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	DOES NOT APPLY - Storage tank constructed prior to 7/23/84 and has not been modified or reconstructed since 7/23/84.
	40 CFR 63 – Subpart EEEE – National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (non-gasoline)	DOES NOT APPLY – Covered under 40 CFR 63 – Subpart MMMM – National Emission Standards for hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63.2338(c)(1)).

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

EQT019 – 8-95 T37 Solvent Tank	LAC 33:III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	DOES NOT APPLY – No Class I or Class II TAPs is emitted above its MER.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	DOES NOT APPLY - Storage tank constructed prior to 7/23/84 and has not been modified or reconstructed since 7/23/84.
	40 CFR 63 – Subpart EEEE – National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (non-gasoline)	DOES NOT APPLY – Covered under 40 CFR 63 – Subpart MMMM – National Emission Standards for hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63.2338(c)(1)).
	LAC 33:III.Chapter 15 – Emission Standards for Sulfur Dioxide	DOES NOT APPLY – Unit emits less than 250 tons per year of sulfur compounds measured as sulfur (LAC 33:III.1503C).
	LAC 33:III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201.A.1).
EQT021 – 5-96 Air Compressor Driver Commissioning	40 CFR 63 – Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY – Compressor driver rating is less than 500 hp.
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT – Combusts virgin fossil fuels 1. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
	40 CFR 63 – Subpart PPPP – National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands	DOES NOT APPLY – Engines are installed in the final product and are not tested in cells/stands (40 CFR 63.9825).

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

EQT022 – 6-96 Turbine Commissioning	LAC 33:III.Chapter 15 – Emission Standards for Sulfur Dioxide	DOES NOT APPLY – Unit emits less than 250 tons per year of sulfur compounds measured as sulfur (LAC 33:III.1503C).
	LAC 33:III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201.A.1).
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT– Combusts virgin fossil fuels 1. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
	NSPS Subpart GG – Standards of Performance for Stationary Gas Turbines [40 CFR 60.330]	DOES NOT APPLY – Per 40 CFR 60.332 and 40 CFR 60.333 compliance is required after the performance test (due within 180 days of startup). Commissioned turbines are not intended to be operated at the maximum production rates and will not operate on site for more than 180 days (40 CFR 60.8).
	40 CFR 63 – Subpart PPPP – National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands	DOES NOT APPLY – Engines are installed in the final product and are not tested in cells/stands (40 CFR 63.9825).
	40 CFR 63 – Subpart YYYY – National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines	DOES NOT APPLY – Commissioned turbines are not intended to be operated at the maximum production rates and will not operate on site for greater than 180 days (40 CFR 60.8).

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
 Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

EQT024– EQT026, EQT027 2-99, 4-99, and 5-99 Air Compressors	LAC 33:III.Chapter 15 – Emission Standards for Sulfur Dioxide	DOES NOT APPLY – Unit emits less than 250 tons per year of sulfur compounds measured as sulfur (LAC 33:III.1503C).
	LAC 33:III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201.A.1).
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT – Combusts virgin fossil fuels I. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
	40 CFR 63 – Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY – Compressor driver rating is less than 500 hp.
EQT030 – EQT031 8-99 – 9-99 Backup Generators	LAC 33:III.Chapter 15 – Emission Standards for Sulfur Dioxide	DOES NOT APPLY – Unit emits less than 250 tons per year of sulfur compounds measured as sulfur (LAC 33:III.1503C).
	LAC 33:III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201.A.1).
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT – Combusts virgin fossil fuels I. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
	40 CFR 63 – Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY – Compressor driver rating is less than 500 hp.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
 Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

EQT032 – 10-99 Drainage Pump	LAC 33:III.Chapter 15 – Emission Standards for Sulfur Dioxide	DOES NOT APPLY – Unit emits less than 250 tons per year of sulfur compounds measured as sulfur (LAC 33:III.1503C).
	LAC 33:III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201.A.1).
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT– Combusts virgin fossil fuels 1. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
EQT033 – EQT034 11-99 – 12-99	40 CFR 63 – Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY – Compressor driver rating is less than 500 hp.
	LAC 33:III.Chapter 15 – Emission Standards for Sulfur Dioxide	DOES NOT APPLY – Unit emits less than 250 tons per year of sulfur compounds measured as sulfur (LAC 33:III.1503C).
Storm Water Backup Pumps	LAC 33:III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201.A.1).
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT– Combusts virgin fossil fuels 1. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
	40 CFR 63 – Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY – Compressor driver rating is less than 500 hp.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**Morgan City Fabrication Facility**

Agency Interest No.: 691

J Ray McDermott Inc

Amelia, Assumption (St Mary) Parish, Louisiana

EQT035 – 13-99 Fire Water Pump	LAC 33:III.Chapter 15 – Emission Standards for Sulfur Dioxide	DOES NOT APPLY – Unit emits less than 250 tons per year of sulfur compounds measured as sulfur (LAC 33:III.1503C).
	LAC 33:III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201.A.1).
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT– Combusts virgin fossil fuels 1. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
	40 CFR 63 – Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY – Compressor driver rating is less than 500 hp.
EQT036 4-95 T28 Diesel Tank	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	DOES NOT APPLY - Tank capacity is less than 20,000 gallons.
	40 CFR 63 – Subpart EEEE – National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (non-gasoline)	DOES NOT APPLY – Diesel (distillate fuel No. 2) is not an organic liquid under the rule and is dispensed to and used by users as fuel on site (40 CFR 63.2406 Organic Liquid).
	LAC 33:III.2103 – Storage of Volatile Organic Compounds	DOES NOT APPLY – Vapor Pressure is less than 1.5 psia.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

EQT037 3-96 T125 Waste Oil Tank	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	DOES NOT APPLY - Tank capacity is less than 20,000 gallons.
LAC 33:III.2103 – Storage of Volatile Organic Compounds		DOES NOT APPLY – Vapor Pressure is less than 1.5 psia.
EQT038 4-96 T126 Waste Oil Tank	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	DOES NOT APPLY - Tank capacity is less than 20,000 gallons.
LAC 33:III.2103 – Storage of Volatile Organic Compounds		DOES NOT APPLY – Vapor Pressure is less than 1.5 psia.
EQT039 1-04 Marine Backup Diesel Engine	LAC 33.III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33:III.2201 A.1).
	LAC 33:III.Chapter 51 – Comprehensive Toxic Air Pollutant Emission Control Program	EXEMPT – Combusts virgin fossil fuels 1. Until the administrative authority makes a final determination (LAC 33:III.5105.B.3.a).
	40 CFR 63 – Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	DOES NOT APPLY – Compressor driver rating is less than 500 hp.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

EQT041 5-04 Heating Table No. 1	LAC 33.III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33.III.2201.A.1).
	LAC 33.III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	EXEMPT – Combusts virgin fossil fuel.
EQT042 6-04 Heating Table No. 2	LAC 33.III.Chapter 22 – Control of Emissions of Nitrogen Oxides	DOES NOT APPLY – Facility is not located in the Baton Rouge Nonattainment Area or the Region of Influence (LAC 33.III.2201.A.1).
	LAC 33.III.5109 – Emission Control and Reduction Requirements and Standards. STATE ONLY	EXEMPT – Combusts virgin fossil fuel.
EQT043 7-04 West Yard Gasoline Tank	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels [40 CFR 60.110b]	DOES NOT APPLY - Tank capacity is less than 20,000 gallons.
	40 CFR 63 – Subpart EEEE – National Emission Standards for Hazardous Air Pollutants: Organic Liquids Distribution (non-gasoline)	DOES NOT APPLY – Gasoline is not an organic liquid under the rule and is dispensed to and used by users as fuel on site (40 CFR 63.2406. Organic Liquid).
	LAC 33.III.2131 – Filling of Gasoline Storage Vessels	DOES NOT APPLY – Tank is located in an attainment area.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Morgan City Fabrication Facility
Agency Interest No.: 691
J Ray McDermott Inc
Amelia, Assumption (St Mary) Parish, Louisiana

EQT051 2-06 Joint Blaster Dust Collector	40-CFR 64 – Compliance Assurance Monitoring (CAM) Rules	DOES NOT APPLY – The uncontrolled PM ₁₀ emission level from the unit is less than the major source threshold.
EQT052 3-06 FBE Application Dust Collector	40-CFR 64 – Compliance Assurance Monitoring (CAM) Rules	DOES NOT APPLY – The uncontrolled PM ₁₀ emission level from the unit is less than the major source threshold.
FUG 1 – 10-95 FUGITIVES	[LAC 33:III.2121 – Fugitive Emissions Control	DOES NOT APPLY. Facility does not manufacture as intermediates or final products and chemicals listed in LAC 33:III. Chapter 21, Table 8

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 - 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];

40 CFR PART 70 GENERAL CONDITIONS

3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

40 CFR PART 70 GENERAL CONDITIONS

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).

40 CFR PART 70 GENERAL CONDITIONS

1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;

40 CFR PART 70 GENERAL CONDITIONS

- 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 - 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 - 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
 - U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
- The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated September 13, 2004 and the revised submittals dated July 26, 2005, April 12, 2006, June 07, 2006 and August 16, 2006 along with supplemental information dated August 17, October 3, 2006. A complete revised submittal dated October 18, 2006 was received. Additional information dated November 7, 2006 was also received.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 691 Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	0200-00009	Morgan City Fabrication Facility	CDS Number	08-05-2002
	0200-00009	Morgan City Fabrication Facility	Emission Inventory	02-25-2004
	76-0151356	J Ray McDermott Inc - East Fabrication Yard	Federal Tax ID	11-21-1999
	LAD000757526	J Ray McDermott Inc Fabricators Div	Hazardous Waste Notification	10-17-1983
	LA00055581	LPDES #	LPDES Permit #	05-22-2003
	LAG480484	LPDES #	LPDES Permit #	01-28-2005
	WP0201	LWDPSS #	LWDPSS Permit #	06-25-2003
	5450119-001	J Ray McDermott Inc - East Fabrication Yard	State Tax ID	05-27-1993
	11422	J Ray McDermott Inc - East Fabrication Yard	TEMPO Merge	06-26-2001
	72599	J Ray McDermott - Fabricators Yard	TEMPO Merge	11-06-2001
	0200-00009	Toxic Emissions Data Inventory #	Toxic Emissions Data Inventory #	01-01-1991
	70381MRNCNSTATI	TRI #	Toxic Release Inventory	07-14-2004
	51-006331	UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-12-2002
			Main Phone:	9856312561
Physical Location:		2317 Hwy 662 S (portion of) Amelia, LA 70403		
Mailing Address:		PO Box 188 Morgan City, LA 703810188		
Location of Front Gate:		29° 39' 1" latitude, 91° 6' 0" longitude. Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27		
Related People:		Name	Mailing Address	Phone (Type)
	Edmond Wise	Edmond Wise	2317 Hwy 662 S Amelia, LA 70340	9856318000 (WP)
	Edmond Wise	Edmond Wise	2317 Hwy 662 S Amelia, LA 70340	9856318000 (WP)
	Edmond Wise	Edmond Wise	2317 Hwy 662 S Amelia, LA 70340	9856318000 (WP)
	Edmond Wise	Edmond Wise	2317 Hwy 662 S Amelia, LA 70340	9856318000 (WP)
	Edmond Wise	Edmond Wise	2317 Hwy 662 S Amelia, LA 70340	9856318000 (WP)
	Edmond Wise	Edmond Wise	2317 Hwy 662 S Amelia, LA 70340	9856318000 (WP)
Related Organizations:		Name	Address	Phone (Type)
	American Pollution (AMPOL) Control Corp	5619 Port Rd New Iberia, LA 70560	3373657847 (WP)	Provides environmental services for
	J Ray McDermott Inc	757 N Eldridge Pkwy Houston, TX 77079	2818705000 (WP)	Air Billing Party for
	J Ray McDermott Inc	757 N Eldridge Pkwy Houston, TX 77079	2818705000 (WP)	UST Billing Party for
	J Ray McDermott Inc	757 N Eldridge Pkwy Houston, TX 77079	2818705000 (WP)	Owes
SIC Codes:		3441, Fabricated structural metal		

General Information

All ID: 691 Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

SIC Codes: 3731, Ship building and repairing

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
ARE001	1-95 Outdoor Painting	63906 gallons/yr	63906 gallons/yr	50,287 (3.50 lb/gal VOC), 10,500 gals (5.41 lb/gal) including 3,119 gals of thinner	8760 hr/yr (All Year)	
ARE002	2-95 Outdoor Blasting		9800 tons/yr	9800 tons/yr	Abrasive Material (coal slag or black beauty)	8760 hr/yr (All Year)
ARE006	1-96 Solvent Cleaning		109500 gallons/yr	50000 gallons/yr	Solvents: Acetone, methanol, Toluene	8760 hr/yr (All Year)
ARE007	8-04 Parts Washers		957 gallons/yr	957 gallons/yr	Ten stations for parts washing	8760 hr/yr (All Year)
ARE008	1-95A Outdoor Painting - Shipbuilding		8273 gallons/yr	8273 gallons/yr	7338 genera use VOC (2.84 lb/gal) 588 Hi Gloss (3.50 lb/gal) and 347 Weld-thru (5.41 lb/gal)	8760 hr/yr (All Year)
ARE009	2-95A Outdoor Blasting - Shipbuilding		500 tons/yr	500 tons/yr	Abrasive Material (coal slag or black beauty)	8760 hr/yr (All Year)
ARE010	1-96A Solvent Cleaning - Shipbuilding	6000 gallons	109500 gallons/yr	6000 gallons/yr	Solvent: Acetone, methanol, Toluene	8760 hr/yr (All Year)
ARE011	4-06 Joint Insulation		1200 lb/yr	1200 lb/yr	Polyurethane	8760 hr/yr (All Year)
EQT016	3-95 Steel Cutting, Natural Gas		71 MM ft^3/yr	71 MM ft^3/yr	Natural Gas; 8.76 MM linear ft of cut steel	8760 hr/yr (All Year)
EQT017	5-95 T9 Gasoline Tank	9775 gallons	99000 gallons/yr	99000 gallons/yr	Gasoline	8760 hr/yr (All Year)
EQT018	7-95 T36 Solvent Tank	6767 gallons	62500 gallons/yr	62500 gallons/yr	Solvent	8760 hr/yr (All Year)
EQT019	8-95 T37 Solvent Tank	5181 gallons	62500 gallons/yr	62500 gallons/yr	Solvent	8760 hr/yr (All Year)
EQT020	9-95 Welding		1366 tons/yr	1366 tons/yr	Welding Rods	7180 hr/yr (All Year)
EQT021	5-96 Air Compressor Driver Commissioning		115 horsepower	115 horsepower		20 hr/yr (All Year)
EQT022	6-96 Turbine Commissioning		120000 horsepower	120000 horsepower		900 hr/yr (All Year)
EQT024	2-99 Air Compressor		220 horsepower	220 horsepower	Diesel	750 hr/yr (All Year)
EQT026	4-99 Air Compressor		275 horsepower	275 horsepower	Diesel	1400 hr/yr (All Year)
EQT027	5-99 Air Compressor		275 horsepower	275 horsepower	Diesel	1400 hr/yr (All Year)
EQT030	8-99 Backup Generator		220 horsepower	220 horsepower	Diesel	500 hr/yr (All Year)
EQT031	9-99 Backup Generator		200 horsepower	200 horsepower	Diesel	500 hr/yr (All Year)
EQT032	10-99 Drainage Pump		130 horsepower	130 horsepower	Diesel	500 hr/yr (All Year)
EQT033	11-99 Stormwater Backup Pump		50 horsepower	50 horsepower	Natural Gas	500 hr/yr (All Year)
EQT034	12-99 Stormwater Backup Pump		140 horsepower	140 horsepower	Diesel	500 hr/yr (All Year)
EQT035	13-99 Fire Water Pump		150 horsepower	150 horsepower	Diesel	500 hr/yr (All Year)
EQT036	4-95 T28 Diesel Tank	18610 gallons	124838 gallons/yr	124838 gallons/yr	Diesel	8760 hr/yr (All Year)
EQT037	3-96 T125 Waste Oil Tank		106720 gallons/yr	106720 gallons/yr	Waste Oil	8760 hr/yr (All Year)
EQT038	4-96 T126 Waste Oil Tank		117504 gallons/yr	117504 gallons/yr	Waste Oil	8760 hr/yr (All Year)
EQT039	1-04 Marine Backup Diesel Generator		330 horsepower	330 horsepower	Diesel	500 hr/yr (All Year)
EQT040	2-04 Abrasive Silos (Hoppers)		10300 tons/yr	10300 tons/yr	(None Specified)	
EQT041	5-04 Heating Table No. 1		72420 MM BTU/yr	72420 MM BTU/yr	Natural Gas Combustion	8760 hr/yr (All Year)
EQT042	6-04 Heating Table No. 2		72420 MM BTU/yr	72420 MM BTU/yr	Natural Gas Combustion	8760 hr/yr (All Year)

INVENTORIES

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT043	7-04 West Yard Gasoline Tank	575 gallons	99000 gallons/yr	99000 gallons/yr	Gasoline	8760 hr/yr (All Year)
EQT044	9-95A Welding - Shipbuilding		16 tons/yr	16 tons/yr	Welding Rods	8760 hr/yr (All Year)
EQT045	3-95A Steel Cutting, Natural Gas - Shipbuilding		71 MM ft ³ /yr	71 MM ft ³ /yr	Natural Gas, 0.03 MM linear ft of cut steel	8760 hr/yr (All Year)
EQT046	1-06 Joining Welding Emissions		80 tons/yr	80 tons/yr	Welding Rods	8760 hr/yr (All Year)
EQT047	3-04 Abrasive Silo Unloading (Sand Pot Filling)	10300 tons/yr		10300 tons/yr		8760 hr/yr (All Year)
EQT048	6-95A Roboblast No. 1 Dust Collector	1000 tons/hr		1000 tons/hr	Abrasive Materials	8760 hr/yr (All Year)
EQT049	6-95B Roboblast No. 2 Dust Collector	1000 tons/hr		1000 tons/hr	Abrasive Materials	8760 hr/yr (All Year)
EQT050	6-95C Plate Blaster Dust Collector	1000 tons/hr		1000 tons/hr	Abrasive Materials	8760 hr/yr (All Year)
EQT051	2-06 Joint Blaster Dust Collector		10 tons/yr	10 tons/yr	Abrasive Materials	8760 hr/yr (All Year)
EQT052	3-06 FBE Application Dust Collector		10000 lb/yr	10000 lb/yr	Coating (Fusion bonded epoxy)	8760 hr/yr (All Year)
FUG001	10-95 Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP001	Platform Fabrication	ARE1 1-95 Outdoor Painting
GRP001	Platform Fabrication	ARE2 2-95 Outdoor Blasting
GRP001	Platform Fabrication	ARE6 1-96 Solvent Cleaning
GRP001	Platform Fabrication	EQT16 3-95 Steel Cutting, Natural Gas
GRP001	Platform Fabrication	EQT20 9-95 Welding
GRP002	Shipbuilding and Ship Repair	ARE8 1-95A Outdoor Painting - Shipbuilding
GRP002	Shipbuilding and Ship Repair	ARE9 2-95A Outdoor Blasting - Shipbuilding
GRP002	Shipbuilding and Ship Repair	ARE10 1-96A Solvent Cleaning - Shipbuilding
GRP002	Shipbuilding and Ship Repair	EQT44 9-95A Welding - Shipbuilding
GRP002	Shipbuilding and Ship Repair	EQT45 3-95A Steel Cutting, Natural Gas - Shipbuilding
GRP003	Morgan City Fabrication Facility	ARE1 1-95 Outdoor Painting
GRP003	Morgan City Fabrication Facility	ARE2 2-95 Outdoor Blasting
GRP003	Morgan City Fabrication Facility	ARE6 1-96 Solvent Cleaning
GRP003	Morgan City Fabrication Facility	ARE7 8-04 Paint Washers
GRP003	Morgan City Fabrication Facility	ARE8 1-95A Outdoor Painting - Shipbuilding
GRP003	Morgan City Fabrication Facility	ARE9 2-95A Outdoor Blasting - Shipbuilding
GRP003	Morgan City Fabrication Facility	ARE10 1-96A Solvent Cleaning - Shipbuilding
GRP003	Morgan City Fabrication Facility	ARE11 4-06 Joint Insulation
GRP003	Morgan City Fabrication Facility	EQT16 3-95 Steel Cutting, Natural Gas
GRP003	Morgan City Fabrication Facility	EQT17 5-95 T9 Gasoline Tank
GRP003	Morgan City Fabrication Facility	EQT18 7-95 T36 Solvent Tank
GRP003	Morgan City Fabrication Facility	EQT19 8-95 T37 Solvent Tank

INVENTORIES

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP003	Morgan City Fabrication Facility	EQT20 9-95 Welding
GRP003	Morgan City Fabrication Facility	EQT21 5-96 Air Compressor Driver Commissioning
GRP003	Morgan City Fabrication Facility	EQT22 6-96 Turbine Commissioning
GRP003	Morgan City Fabrication Facility	EQT24 2-99 Air Compressor
GRP003	Morgan City Fabrication Facility	EQT26 4-99 Air Compressor
GRP003	Morgan City Fabrication Facility	EQT27 5-99 Air Compressor
GRP003	Morgan City Fabrication Facility	EQT30 8-99 Backup Generator
GRP003	Morgan City Fabrication Facility	EQT31 9-99 Backup Generator
GRP003	Morgan City Fabrication Facility	EQT32 10-99 Drainage Pump
GRP003	Morgan City Fabrication Facility	EQT33 11-99 Stormwater Backup Pump
GRP003	Morgan City Fabrication Facility	EQT34 12-99 Stormwater Backup Pump
GRP003	Morgan City Fabrication Facility	EQT35 13-99 Fire Water Pump
GRP003	Morgan City Fabrication Facility	EQT36 4-95 T28 Diesel Tank
GRP003	Morgan City Fabrication Facility	EQT37 3-96 T125 Waste Oil Tank
GRP003	Morgan City Fabrication Facility	EQT38 4-96 T126 Waste Oil Tank
GRP003	Morgan City Fabrication Facility	EQT39 1-04 Marine Backup Diesel Generator
GRP003	Morgan City Fabrication Facility	EQT40 2-04 Abrasive Silos (Hoppers)
GRP003	Morgan City Fabrication Facility	EQT41 5-04 Heating Table No. 1
GRP003	Morgan City Fabrication Facility	EQT42 6-04 Heating Table No. 2
GRP003	Morgan City Fabrication Facility	EQT43 7-04 West Yard Gasoline Tank
GRP003	Morgan City Fabrication Facility	EQT44 9-95A Welding - Shipbuilding
GRP003	Morgan City Fabrication Facility	EQT45 3-95A Steel Cutting, Natural Gas - Shipbuilding
GRP003	Morgan City Fabrication Facility	EQT46 1-06 Jointing Welding Emissions
GRP003	Morgan City Fabrication Facility	EQT47 3-04 Abrasive Silo Unloading (Sand Pot Filling)
GRP003	Morgan City Fabrication Facility	EQT48 6-95A Rotoblast No. 1 Dust Collector
GRP003	Morgan City Fabrication Facility	EQT49 6-95B Rotoblast No. 2 Dust Collector
GRP003	Morgan City Fabrication Facility	EQT50 6-95C Plate Blaster Dust Collector
GRP003	Morgan City Fabrication Facility	EQT51 2-06 Joint Blaster Dust Collector
GRP003	Morgan City Fabrication Facility	EQT52 3-06 FBE Application Dust Collector
GRP003	Morgan City Fabrication Facility	FUG1 10-95 Fugitive Emissions
GRIP004	Pipe Jointing Operations	ARE11 4-06 Joint Insulation
GRIP004	Pipe Jointing Operations	EQT46 1-06 Jointing Welding Emissions

Relationships:

Stack Information:	ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
--------------------	----	----------------------	------------------------------------	--------------------	---------------------------------	------------------	---------------------

INVENTORIES

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-0009-V3
Air - Title V Regular Permit Renewal

Stack Information:

ID	Stack Description	Velocity (ft/sec)	Flow Rate (cubic ft/min actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
ARE011	4-06 Joint Insulation					23	
EQT017	5-95 T9 Gasoline Tank					8	
EQT018	7-95 T36 Solvent Tank					8	
EQT019	8-95 T37 Solvent Tank					7	
EQT036	4-95 T28 Diesel Tank					12	
EQT037	3-96 T125 Waste Oil Tank					6	
EQT038	4-96 T126 Waste Oil Tank					10	
EQT043	7-04 West Yard Gasoline Tank						
EQT046	1-06 Jointing Welding Emissions					23	
EQT047	3-04 Abrasive Silo Unloading (Sand Pot Filling)					4	
EQT051	2-06 Joint Blaster Dust Collector					.25	
EQT052	3-06 FBE Application Dust Collector					7	
						4.34	
						6	

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP003			1059 - Fabricated Structural Steel with 5 or More Welders 1290 - Ship and Boat Building: E) 200 or Less Employees

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	PM-10			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 1-35	7.41	15.00	32.44										26.58	69.42	116.41
ARE 002 2-95	6.98	9.38	30.58										20.65	60.71	90.44
ARE 006 1-96													0.03	0.03	0.13
ARE 007 8-04													2.83	24.72	12.39
ARE 008 1-95A	1.73	15.00	7.56												
ARE 009 2-95A	0.36	5.62	1.56										2.48	60.71	10.85
ARE 010 1-96A													0.01	0.01	0.06
ARE 011 4-06													0.69	93.77	3.02
EQT 016 3-95	1.04	1.04	4.54	0.01	0.01	0.02	0.76	0.76	3.34	0.32	0.32	1.42	0.04	0.04	0.20
EQT 017 5-95															
EQT 018 7-95													0.01	7.14	0.06
EQT 019 8-95													0.01	7.14	0.06
EQT 020 9-95	4.01	4.01	14.40												
EQT 021 5-96	0.25	2.53 <	0.01	0.24	2.36 <	0.01	3.57	35.65	0.04	0.78	7.82	0.01	0.24	2.42 <	0.01
EQT 022 6-96	12.40	18.61	5.58	20.17	30.25	9.07	83.33	125.00	37.50	142.89	214.33	64.30	4.89	7.34	2.20
EQT 024 2-99	0.48	0.48	0.18	0.45	0.45	0.17	6.82	6.82	2.56	1.50	1.50	0.56	0.46	0.46	0.17
EQT 026 4-99	0.61	0.61	0.42	0.56	0.56	0.39	8.53	8.53	5.97	1.87	1.87	1.31	0.58	0.58	0.40
EQT 027 5-99	0.61	0.61	0.42	0.56	0.56	0.39	8.53	8.53	5.97	1.87	1.87	1.31	0.58	0.58	0.40

EMISSION RATES FOR CRITERIA POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂			NO _x			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 8-99	0.48	0.48	0.12	0.45	0.45	0.11	6.82	6.82	1.71	1.50	1.50	0.37	0.46	0.46	0.12
EQT 031 9-99	0.44	0.44	0.11	0.41	0.41	0.10	6.20	6.20	1.55	1.36	1.36	0.34	0.42	0.42	0.11
EQT 032 10-99	0.29	0.29	0.07	0.27	0.27	0.07	4.03	4.03	1.01	0.88	0.88	0.22	0.27	0.27	0.07
EQT 033 11-99	0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.40	0.40	0.10	0.05	0.05	0.01	0.02	< 0.02	< 0.01
EQT 034 12-99	0.31	0.31	0.08	0.29	0.29	0.07	4.33	4.33	1.03	0.95	0.95	0.24	0.29	0.29	0.07
EQT 035 13-99	0.33	0.33	0.08	0.31	0.31	0.08	4.65	4.65	1.16	1.02	1.02	0.26	0.32	0.32	0.08
EQT 036 4-95													< 0.01	0.13	< 0.01
EQT 037 3-96													< 0.01	0.51	< 0.01
EQT 038 4-96													< 0.01	0.84	0.02
EQT 039 1-04	0.73	0.73	0.18	0.68	0.68	0.17	10.23	10.23	2.56	2.24	2.24	0.56	0.69	0.69	0.17
EQT 040 2-04	0.15	0.17	0.64												
EQT 041 5-04	0.03	0.03	0.13	0.01	0.01	0.01	0.38	0.38	1.67	0.16	0.16	0.71	0.02	0.02	0.10
EQT 042 6-04	0.03	0.03	0.13	< 0.01	< 0.01	0.01	0.38	0.38	1.67	0.16	0.16	0.71	0.02	0.02	0.10
EQT 043 7-04													0.33	44.94	1.51
EQT 044 9-95A	0.04	0.04	0.20												
EQT 045 3-95A	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01
EQT 046 1-06	0.10	0.10	0.42												
EQT 047 3-04	0.02	0.02	0.08												

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	PM ₁₀		SO ₂		NOx		CO		VOC	
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr
EQT 048 6-95A	1.85	1.85	8.11							
EQT 049 6-95B	1.85	1.85	8.11							
EQT 050 6-95C	3.15	3.15	13.77							
EQT 051 2-06	< 0.01	< 0.01	< 0.01							
EQT 052 3-06	< 0.01	< 0.01	< 0.01						0.08	0.08
FUG 001 10-95									5.91	5.91
										25.87

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 129.94 tons/yr
 SO2: 10.66 tons/yr
 NOx: 67.91 tons/yr
 CO: 72.34 tons/yr
 VOC: 265.51 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	1,4-Dichlorobenzene			2,2,4-Trimethylpentane			2-nitro-Propane			Ammonia			Barium (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 1-95	0.010	0.021	0.046				0.004	0.010	0.012	0.004	0.010	0.013	0.112	0.293	0.400
ARE 002 2-95															
ARE 006 1-96															
ARE 007 8-04	<	0.01	< 0.01	0.01											
ARE 008 1-95A															
ARE 009 2-95A															
ARE 010 1-95A															
ARE 011 4-06															
EQT 016 3-95													< 0.001	< 0.001	< 0.001
EQT 017 5-95							0.001	0.116	0.004						
EQT 018 7-95															
EQT 019 8-95															
EQT 020 9-95													< 0.001	< 0.001	< 0.001
EQT 021 5-96															
EQT 022 6-96															
EQT 024 2-99															
EQT 026 4-99															
EQT 027 5-99															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Benzene		Cadmium (and compounds)			Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
ARE 001 1-95	0.007	0.018	0.026	< 0.001	0.001	0.001				0.084	0.032	0.113	
ARE 002 2-95			< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001				
ARE 006 1-96													
ARE 007 8-04													
ARE 008 1-95A													
ARE 009 2-95A			< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001		
ARE 010 1-95A													
ARE 011 4-06													
EQT 016 3-95		< 0.001	< 0.001	< 0.001			0.001	0.001	0.004	< 0.001	< 0.001	0.001	
EQT 017 5-95	0.003	0.361	0.012										
EQT 018 7-95													
EQT 019 8-95													
EQT 020 9-95							< 0.001		0.001	< 0.001	0.001	0.038	
EQT 021 5-96													
EQT 022 6-96													
EQT 024 2-99													
EQT 026 4-99													
EQT 027 5-99													

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	Cumene	Dibutyl phthalate	Dichloromethane	Epiclorohydrin	Ethyl benzene							
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 1-95	0.266	0.694	1.164	0.004	0.010	0.012	0.008	0.016	0.034	< 0.001	0.001	3.308
ARE 002 2-95												8.259
ARE 006 1-96												14.490
ARE 007 8-04							< 0.001	< 0.001	< 0.001			
ARE 008 1-95A											0.075	0.657
ARE 009 2-95A												0.329
ARE 010 1-96A												
ARE 011 4-06												
EQT 016 3-95												
EQT 017 5-95		< 0.001	0.005	< 0.001					< 0.001		0.028	0.001
EQT 018 7-95												
EQT 019 8-95												
EQT 020 9-95												
EQT 021 5-96												
EQT 022 6-96												
EQT 024 2-96												
EQT 026 4-96												
EQT 027 5-96												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Ethylene glycol		Formaldehyde			Glycol ethers (Table 51.3)			Lead compounds			Manganese (and compounds)	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 1-95	0.004	0.010	0.012	0.004	0.010	0.012	0.836	2.985	0.001	0.001	0.002	
ARE 002 2-95												< 0.001
ARE 006 1-98												
ARE 007 8-04				< 0.004	< 0.004	0.017						
ARE 008 1-95A							< 0.001	< 0.001	< 0.001			
ARE 009 2-95A							< 0.001	< 0.001	< 0.001			
ARE 010 1-96A												
ARE 011 4-06												
EQT 016 3-95				0.001	0.001	0.003				0.003	0.003	0.013
EQT 017 5-95												
EQT 018 7-95												
EQT 019 8-95												
EQT 020 9-95												
EQT 021 5-96				0.053	0.530	0.001						
EQT 022 6-96				0.150	0.220	0.070						
EQT 024 2-99				0.100	0.100	0.040						
EQT 026 4-99				0.130	0.130	0.090						
EQT 027 5-99				0.130	0.130	0.090						

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

All phases		Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Methyl isobutyl ketone			Methylene diphenyl diisocyanate		
Subject Item	Avg lb/hr	Max lb/hr	Tons/hr	Avg lb/hr	Max lb/hr	Tons/hr	Avg lb/hr	Max lb/hr	Tons/hr	Avg lb/hr	Max lb/hr	Tons/hr	Avg lb/hr	Max lb/hr	Tons/Year	
ARE 001 1-95	1.281	2.749	5.609				3.308	8.259	14.490	0.716	0.274	0.978				
ARE 002 2-95																
ARE 006 1-96	11.342	33.345	49.679													
ARE 007 8-94																
ARE 008 1-95A										0.060	0.520	0.261				
ARE 009 2-95A																
ARE 010 1-96A	1.361	33.345	5.962													
ARE 011 4-95													0.001	0.001	0.001	0.006
EQT 016 3-95																
EQT 017 5-95																
EQT 018 7-95	0.012	6.040	0.051													
EQT 019 8-95	0.011	6.039	0.046													
EQT 020 9-95																
EQT 021 5-96																
EQT 022 6-96																
EQT 024 2-99																
EQT 026 4-99																
EQT 027 5-99																

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Naphthalene			Naphthalene (and Methyl naphthalenes)			Nickel (and compounds)			Nitric acid			Phenol			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 1.95				0.156	0.316	0.684				0.004	0.010	0.012	0.014	0.014	0.037
ARE 002 2.95							<	0.001	< 0.001	<	0.001				
ARE 006 1.95															
ARE 007 8.04	0.002	0.008													
ARE 008 1.95A															
ARE 009 2.95A							<	0.001	< 0.001	<	0.001				
ARE 010 1.95A															
ARE 011 4.06															
EQT 016 3.95							0.001	0.001	0.001		0.002				
EQT 017 5.95															
EQT 018 7.95															
EQT 019 8.95															
EQT 020 9.95															
EQT 021 5.95															
EQT 022 6.95															
EQT 024 2.95															
EQT 025 4.95															
EQT 027 5.95															

EMISSION RATES FOR TAPP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

		Polynuclear Aromatic Hydrocarbons			Styrene			Tetrachloroethylene			Toluene			Xylene (mixed isomers)		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
ARE 001 1-95	0.001	0.002	0.003				0.013	0.026	0.057	4.739	11.158	20.759	11.904	29.567	52.140	
ARE 002 2-95																
ARE 006 1-96																
ARE 007 8-04																
ARE 008 1-95A																
ARE 009 2-95A																
ARE 010 1-96A																
ARE 011 4-06																
EQT 016 3-95																
EQT 017 5-95																
EQT 018 7-95																
EQT 019 8-95																
EQT 020 9-95																
EQT 021 5-96																
EQT 022 6-96																
EQT 024 2-99																
EQT 026 4-99																
EQT 027 5-99																

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	Zinc (and compounds)	n-Hexane			n-butyl alcohol				
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
ARE 001 1-95	6.296	12.750	27.575	0.005	0.014	0.019	0.840	0.840	3.000
ARE 002 2-95									
ARE 006 1-96									
ARE 007 8-04									
ARE 008 1-95A	0.11	11.57	0.48				< 0.001	0.003	0.002
ARE 009 2-95A									
ARE 010 1-98A									
ARE 011 4-06									
EQT 016 3-95	0.001	0.001	0.004						
EQT 017 5-95				0.002	0.321	0.010			
EQT 018 7-95									
EQT 019 8-95									
EQT 020 9-95	0.048	0.048	0.172						
EQT 021 5-96									
EQT 022 6-96									
EQT 024 2-99									
EQT 026 4-99									
EQT 027 5-99									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	1,4-Dichlorobenzene			2,2,4-Trimethylpentane			2-nitro-Propane			Ammonia			Barium (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 8-99															
EQT 031 9-99															
EQT 032 10-99															
EQT 033 11-99				< 0.001	< 0.001	< 0.001									
EQT 034 12-99															
EQT 035 13-99															
EQT 037 3-96															
EQT 038 4-96															
EQT 039 1-04															
EQT 040 2-04													0.009	0.010	0.039
EQT 041 5-04															
EQT 042 6-04				< 0.001	0.037	0.001									
EQT 043 7-04													< 0.001	< 0.001	< 0.001
EQT 044 9-95A													< 0.001	< 0.001	< 0.001
EQT 045 3.95A													< 0.001	< 0.001	< 0.001
EQT 046 1-06													< 0.001	< 0.001	< 0.001
EQT 047 3-04													< 0.001	< 0.001	0.001
EQT 048 6-95A															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

Subject Item	Benzene			Cadmium (and compounds)			Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 8-98															
EQT 031 9-99															
EQT 032 10-99															
EQT 033 11-99															
EQT 034 12-99															
EQT 035 13-99															
EQT 037 3-96															
EQT 038 4-96															
EQT 039 1-04															
EQT 040 2-04															
EQT 041 5-04	<	0.001	<	0.001	<	0.001				<	0.001	<	0.001	<	0.001
EQT 042 6-04	<	0.001	<	0.001	<	0.001				<	0.001	<	0.001	<	0.001
EQT 043 7-04	0.001	0.117	0.004												
EQT 044 9-95A				<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
EQT 045 3-95A	<	0.001	<	0.001	<	0.001				<	0.001	<	0.001	<	0.001
EQT 046 1-06							<	0.001	<	0.001	<	0.001	<	0.001	0.001
EQT 047 3-04															
EQT 048 6-95A		<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Cumene		Dibutyl phthalate			Dichloromethane			Epichlorohydrin			Ethyl benzene				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 B-99															
EQT 031 9-99															
EQT 032 10-99															
EQT 033 11-99															
EQT 034 12-99															
EQT 035 13-99															
EQT 037 3-96															
EQT 038 4-96															
EQT 039 1-04															
EQT 040 2-04															
EQT 041 5-04															
EQT 042 6-04															
EQT 043 7-04	<	0.001		0.002	<	0.001				<	0.001		0.009	<	0.001
EQT 044 9-95A															
EQT 045 3-95A															
EQT 046 1-06															
EQT 047 3-04															
EQT 048 6-95A															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	Ethylene glycol			Formaldehyde			Glycol ethers (Table 51-3)			Lead compounds			Manganese (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 6-99				0.100	0.100	0.030									
EQT 031 9-99				0.090	0.090	0.020									
EQT 032 10-99				0.060	0.060	0.020									
EQT 033 11-99	<	0.007	<	0.007	<	0.002									
EQT 034 12-99				0.060	0.060	0.020									
EQT 035 13-99				0.070	0.070	0.020									
EQT 037 3-96															
EQT 038 4-96															
EQT 039 1-04				0.150	0.150	0.038									
EQT 040 2-04										0.002	0.009				
EQT 041 5-04				< 0.001	< 0.001	0.001									
EQT 042 6-04				< 0.001	< 0.001	0.001									
EQT 043 7-04															
EQT 044 9-95A										0.002	0.002	0.011			
EQT 045 3-95A				< 0.001	< 0.001	< 0.001				< 0.001	< 0.001	< 0.010			
EQT 046 1-06											0.006	0.006	0.030		
EQT 047 3-04										< 0.001	< 0.001	< 0.001			
EQT 048 6-95A							< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

		Methanol			Methyl Tertiary Butyl Ether			Methyl ethyl ketone			Methyl isobutyl ketone			Methylene diphenyl diisocyanate		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 030 8-98																
EQT 031 9-98																
EQT 032 10-98																
EQT 033 11-98																
EQT 034 12-98																
EQT 035 13-99																
EQT 037 3-96																
EQT 038 4-96																
EQT 039 1-94																
EQT 040 2-04																
EQT 041 5-04																
EQT 042 6-04																
EQT 043 7-04																
EQT 044 9-95A																
EQT 045 3-95A																
EQT 046 1-06																
EQT 047 3-04																
EQT 048 6-95A																

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Naphthalene		Naphthalene (and Methyl napht alenes)		Nickel (and compounds)		Nitric acid		Phenol	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 8-99									
EQT 031 9-99									
EQT 032 10-99									
EQT 033 11-99									
EQT 034 12-99									
EQT 035 13-99									
EQT 037 3-96	< 0.001	< 0.001	< 0.001				< 0.001	< 0.001	< 0.001
EQT 038 4-96	< 0.001	< 0.001	< 0.001				< 0.001	< 0.001	< 0.001
EQT 039 1-04									
EQT 040 2-04									
EQT 041 5-04									
EQT 042 6-04									
EQT 043 7-04									
EQT 044 9-95A				< 0.001	< 0.001	< 0.001			
EQT 045 3-95A				< 0.001	< 0.001	< 0.001			
EQT 046 1-06				< 0.001	< 0.001	< 0.001			
EQT 047 3-04									
EQT 048 6-95A				< 0.001	< 0.001	0.001			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

All ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Styrene			Tetrachloroethylene			Toluene			Xylene (mixed isomers)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 8-98															
EQT 031 9-99															
EQT 032 10-99															
EQT 033 11-99															
EQT 034 12-99															
EQT 035 13-99															
EQT 037 3-96	<	0.001		<	0.001		<	0.001		<	0.001		0.001	<	0.001
EQT 038 4-96	<	0.001		0.002	<	0.001				<	0.001		0.002	<	0.001
EQT 039 1-04															
EQT 040 2-04															
EQT 041 5-04															
EQT 042 6-04															
EQT 043 7-04															
EQT 044 9-95A															
EQT 045 3-95A															
EQT 046 1-06															
EQT 047 3-04															
EQT 048 6-95A															

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

Zinc (and compounds)			n-Hexane			n-butyl alcohol			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 030 8-99									
EQT 031 9-99									
EQT 032 10-99									
EQT 033 11-99									
EQT 034 12-99									
EQT 035 13-99									
EQT 037 3-96									
EQT 038 4-96									
EQT 039 1-04									
EQT 040 2-04									
EQT 041 5-04									
EQT 042 6-04									
EQT 043 7-04				0.001	0.104	0.004			
EQT 044 9-95A	<	0.001	<	0.001	<	0.001			
EQT 045 3-95A		0.001		0.001		0.004			
EQT 046 1-05	<	0.001	<	0.001		0.001			
EQT 047 3-04									
EQT 048 6-95A									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

Subject Item	1,4-Dichlorobenzene			2,2,4-Trimethylpentane			2-nitro-Propane			Ammonia			Barium (and compounds)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 049 6-95B															
EQT 050 6-95C															
EQT 051 2-06															
FUG 001 10-95	0.017	0.017	0.075												

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

Benzene		Cadmium (and compounds)			Chromium VI (and compounds)			Cobalt compounds			Copper (and compounds)			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Avg lb/hr	Max lb/hr	Tons/Year
EQT 049 6-55B	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	0.001	0.001			
EQT 050 6-55C	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.002	< 0.001	< 0.001	0.001	0.001	0.001			
EQT 051 2-06	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	< 0.001	< 0.001			
FUG 001 10-85	< 0.008	0.008	0.034											

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	Cumene			Dibutyl phthalate			Dichloromethane			Epichlorohydrin			Ethyl benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 049 6-95B															
EQT 050 6-95C															
EQT 051 2-06															
FUG 001 10-95	0.002	0.002	0.009										0.006	0.006	0.026

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Ethylene glycol				Formaldhyde				Glycol ethers (Table 51.3)				Lead compounds				Manganese (and compounds)			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 049 6-95B							<	0.001	0.001	<	0.001	<	0.001	<	0.001	<	0.001	0.001	
EQT 050 6-95C							<	0.001	0.001	<	0.002	<	0.001	<	0.001	<	0.001	0.001	
EQT 051 2-06							<	0.001	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	
FUG 001 10-95	0.213	0.213	0.935																

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-000009-V3

Air - Title V Regular Permit Renewal

All phases

Methanol		Methyl Tertiary Butyl Ether			Methyl Ethyl Ketone			Methyl Isobutyl Ketone			Methylene diphenyl diisocyanate				
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 049 6-95B															
EQT 050 6-95C															
EQT 051 2-06															
FUG 001 1095	0.054	0.054	0.236	0.051	0.051	0.224									

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Naphthalene			Naphthalene (and Methyl napht alenes)			Nickel (and compounds)			Nitric acid			Phenol			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 049 6-55B							< 0.001	< 0.001	0.001						
EQT 050 6-55C							< 0.001	< 0.001	0.002						
EQT 051 2-06							< 0.001	< 0.001	< 0.001						
FUG 001 10-95	< 0.001	< 0.001	0.001							< 0.001	< 0.001	0.001	0.001	0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Subject Item	Polynuclear Aromatic Hydrocarbons			Styrene			Tetrachloroethylene			Toluene			Xylene (mixed isomers)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 049 6-95B															
EQT 050 6-95C															
EQT 051 2-06															
FUG 001 10-95	< 0.001	< 0.001	0.001	< 0.001	< 0.001	0.001	0.074	0.074	0.324	0.030	0.030	0.132			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 049 6-95B									
EQT 050 6-95C									
EQT 051 2-06									
FUG 001 10-95				0.162	0.162	0.711			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

1,4-Dichlorobenzene: 0.047 tons/yr
 2,2,4-Trimethylpentane: 0.080 tons/yr
2-nitro-Propane: 0.013 tons/yr
Ammonia: 0.013 tons/yr
Barium (and compounds): 0.441 tons/yr
Benzene: 0.076 tons/yr
Cadmium (and compounds): 0.005 tons/yr
Chromium VI (and compounds): 0.008 tons/yr
Cobalt compounds: 0.002 tons/yr
Copper (and compounds): 0.259 tons/yr
Cumene: 1.173 tons/yr
Dibutyl phthalate: 0.013 tons/yr
Dichloromethane: 0.034 tons/yr
Epichlorohydrin: 0.001 tons/yr
Ethyl benzene: 14.846 tons/yr
Ethylene glycol: 0.947 tons/yr
Formaldehyde: 0.458 tons/yr
Glycol ethers (Table 51.3): 3.002 tons/yr
Hexamethylene diisocyanate: 0.002 tons/yr
Lead compounds: 6.365 tons/yr
Manganese (and compounds): 0.656 tons/yr

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

All phases

Emission Rates Notes:				
ARE 001	Dichloromethane	Avg lb/hr	AKA Methylene Chloride	Which Months: All Year
ARE 001	Dichloromethane	Max lb/hr	AKA Methylene Chloride	Which Months: All Year
ARE 001	Dichloromethane	Tons/Year	AKA Methylene Chloride	Which Months: All Year
EQT 017	2,2,4-Trimethylpentane	Avg lb/hr	AKA Isooctane	Which Months: All Year
EQT 017	2,2,4-Trimethylpentane	Max lb/hr	AKA Isooctane	Which Months: All Year
EQT 017	2,2,4-Trimethylpentane	Tons/Year	AKA Isooctane	Which Months: All Year
EQT 033	2,2,4-Trimethylpentane	Avg lb/hr	AKA Isooctane	Which Months: All Year
EQT 033	2,2,4-Trimethylpentane	Max lb/hr	AKA Isooctane	Which Months: All Year
EQT 033	2,2,4-Trimethylpentane	Tons/Year	AKA Isooctane	Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 691 - Morgan City Fabrication Facility

Activity Number: PER20040006

Permit Number: 0200-00009-V3

Air - Title V Regular Permit Renewal

All phases

EQT 043	2,2,4- Trimethylpentane	Avg lb/hr	AKA Isooctane	Which Months: All Year
EQT 043	2,2,4- Trimethylpentane	Max lb/hr	AKA Isooctane	Which Months: All Year
EQT 043	2,2,4- Trimethylpentane	Tons/Year	AKA Isooctane	Which Months: All Year
FUG 001	2,2,4- Trimethylpentane	Avg lb/hr	AKA Isooctane	Which Months: All Year
FUG 001	2,2,4- Trimethylpentane	Max lb/hr	AKA Isooctane	Which Months: All Year
FUG 001	2,2,4- Trimethylpentane	Tons/Year	AKA Isooctane	Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

ARE001 1-95 Outdoor Painting

- 1 Comply with the requirements LAC 33:III.2|2123.C.11 titled "Surface Coating for Marine Vessels and Oilfield Tubulars and Ancillary Oilfield Equipment". [LAC 33:III.2|23.C.11]
- 2 VOC, Total: Specialty marine coatings may not exceed the the VOC lb/gal limits listed in 2123.C.11 (Surface Coating for Marine Vessels and Oilfield Tubulars and Ancillary Oilfield Equipment). [LAC 33:III.2|23.C.11]
- 3 Maintain records for a period of five years which verify compliance with or exemption from LAC 33:III.2|23. Maitain records on site and make available for inspection by LDEQ personnel upon request Liquids recordkeeping by electronic or hard copy as needed. [LAC 33:III.2|23]
- 4 *Maintain records of the amount of paint and thinner purchased. Documentation of the paint composition. Documentation of data used to calculate ratio of VOC (MSDS and/or paint analysis). Maintain records on site for 5 years and make records available for inspection by DEQ personnel upon request Liquids (surrogate for VOC fraction) recordkeeping by electronic or hard copy monthly.* [LAC 33:III.501.C.6]
- 5 Equipment/operational data monitored by technically sound method upon occurrence of event Monitor the ratio of VOC to surface coating as applied using a calendar monthly average. Composition of the paint (include thinner) "as applied" in pounds per gallon for each marine coating category. [LAC 33:III.501.C.6]
- 6 Permittee shall shroud with tarps or screens equipment being painted outdoors to the extent that it is practicable. Shrouds shall have a shade factors of 80 percent or greater. Any tear greater than 1 foot in length must be repaired prior to operation. [LAC 33:III.501.C.6]
- 7 Permittee shall not exceed the VOC limits listed in table B(1) of "Louisiana Shipbuilding and Ship Repair Facilities and Outdoor Surface Coating of Large Structures, MACT Determination dated November 13, 1995".

All handling and transfer of VOTAP shall be conducted as specified in B(3)(a) and B(3)(b) of the Louisiana shipbuilding MACT Determination dated November 13, 1995".

Maintain a Spill Prevention Control and Countermeasure Plan that outline prevention and response procedures to oil, hazardous materials and waste release. [LAC 33:III.5109.A]
 8 Shall comply with all applicable provisions of 40 CFR 63 Subpart MMMM - "National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products", promulgated January 2, 2004 - by the applicable date. [40 CFR 63. Subpart(MMM)]

ARE002 2-95 Outdoor Blasting

- 9 Total suspended particulate <= 5.38 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
 Which Months: All Year Statistical Basis: None specified
- 10 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The below listed conditions are determined to constitute a MACT for outdoor blasting:
 1. Permittee shall shroud equipment/components being blasted (outdoor) to the extent that is practicable. Shrouds shall have a shade factor of 80% or greater and tears greater than one (1) foot in length must be repaired prior to use.
 2. Permittee shall not conduct outdoor blasting when sustained wind speed is in excess of 15 miles per hour. [LAC 33:III.5109.A]

ARE006 1-96 Solvent Cleaning

- 11 Determine compliance with LAC 33:III.2|2123.A, C, and D by applying the test methods specified in LAC 33:III.2|2123.E.1 through E.6, as appropriate. [LAC 33:III.2|2123.E]

SPECIFIC REQUIREMENTS**AI ID: 691 - Morgan City Fabrication Facility****Activity Number: PER20040006****Permit Number: 0200-00009-V3****Air - Title V Regular Permit Renewal****ARE007 8-04 Parts Washers**

12 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate. [LAC 33:III.2123.E]

ARE008 1-95A Outdoor Painting - Shipbuilding

- 13 VOC fraction: Comply with the requirements LAC 33:III.2123.C.11 titled 'Surface Coating for Marine Vessels and Oilfield Tubulars and Ancillary Oilfield Equipment. [LAC 33:III.2123.C.11]
- 14 Permittee shall shroud with tarp or screens equipment being painted outdoors to the extent that it is practicable. Shrouds shall have a shade factors of 80 percent or greater. Any tear greater than 1 foot in length must be repaired prior to operation. Submit report: Due annually, by the 31st of March. [LAC 33:III.501.C.6]
- 15 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT has been determined to be compliance with 40 CFR 63 - Subpart II. [LAC 33:II.5109.A]
- 16 General use coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 17 Air flask coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 18 Air flask coating: VOHAP \leq 571 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 19 Air flask coating: VOHAP \leq 728 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 20 Antenna coating: VOHAP \leq 530 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 21 Antenna coating: VOHAP \leq 1439 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 22 Antifouulant coating: VOHAP \leq 400 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 23 Antifouulant coating: VOHAP \leq 765 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 24 Antifouulant coating: VOHAP \leq 971 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 25 Heat resistant coating: VOHAP \leq 420 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 26 Heat resistant coating: VOHAP \leq 841 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 27 Heat resistant coating: VOHAP \leq 1069 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 28 High-gloss coating: VOHAP \leq 420 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 29 High-gloss coating: VOHAP \leq 841 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified
- 30 High-gloss coating: VOHAP \leq 1069 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

ARE008 1-95A Outdoor Painting - Shipbuilding

- 31 High-temperature coating: VOHAP \leq 500 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 32 High-temperature coating: VOHAP \leq 1237 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 33 High-temperature coating: VOHAP \leq 1597 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 34 Inorganic zinc high-build coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 35 Inorganic zinc high-build coating: VOHAP \leq 571 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 36 Inorganic zinc high-build coating: VOHAP \leq 728 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 37 Military exterior coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 38 Military exterior coating: VOHAP \leq 571 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 39 Military exterior coating: VOHAP \leq 728 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 40 Mist coating: VOHAP \leq 610 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 41 Mist coating: VOHAP \leq 2235 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 42 Navigational aids coating: VOHAP \leq 550 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 43 Navigational aids coating: VOHAP \leq 1597 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 44 Nonskid coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 45 Nonskid coating: VOHAP \leq 571 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 46 Nonskid coating: VOHAP \leq 728 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 47 Nuclear coating: VOHAP \leq 420 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 48 Nuclear coating: VOHAP \leq 841 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 49 Nuclear coating: VOHAP \leq 1069 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 50 Organic zinc coating: VOHAP \leq 360 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

ARE008 1-95A Outdoor Painting - Shipbuilding

- 51 Organic zinc coating: VOHAP \leq 630 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 52 Organic zinc coating: VOHAP \leq 802 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 53 Pretreatment wash primer coating: VOHAP \leq 780 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 54 Pretreatment wash primer coating: VOHAP \leq 11095 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 55 Repair and maintenance of thermoplastics coating: VOHAP \leq 550 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 56 Repair and maintenance of thermoplastics coating: VOHAP \leq 1597 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 57 Rubber camouflage coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 58 Rubber camouflage coating: VOHAP \leq 571 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 59 Rubber camouflage coating: VOHAP \leq 728 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 60 Sealant for thermal spray aluminum coating: VOHAP \leq 610 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 61 Sealant for thermal spray aluminum coating: VOHAP \leq 2235 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 62 Specialty marking coating: VOHAP \leq 490 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 63 Specialty marking coating: VOHAP \leq 1178 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 64 Specialty interior coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 65 Specialty interior coating: VOHAP \leq 571 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 66 Specialty interior coating: VDHAP \leq 728 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 67 Tack coat: VOHAP \leq 610 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 68 Tack coat: VOHAP \leq 2235 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 69 Undersea weapons systems coating: VOHAP \leq 340 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 70 Undersea weapons systems coating: VOHAP \leq 571 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS**AI ID: 691 - Morgan City Fabrication Facility****Activity Number: PER20040006****Permit Number: 0200-00009-V3****Air - Title V Regular Permit Renewal****ARE008 1-95A Outdoor Painting - Shipbuilding**

- 71 Undersea weapons systems coating: VOHAP \leq 728 g/l solids, when $t < 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 72 Weld-through precon. primer coating: VOHAP \leq 650 g/l coating (minus water and exempt compounds). Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 73 Weld-through precon. primer coating: VOHAP \leq 2885 g/l solids, when $t \geq 4.5$ degrees C. Subpart II. [40 CFR 63.783(a)]
 Which Months: All Year Statistical Basis: None specified
- 74 Ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. Subpart II. [40 CFR 63.783(b)(1)]
- 75 Ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. Subpart II. [40 CFR 63.783(b)(2)]
- 76 Determine the coating category and the applicable VOHAP limit as specified in 40 CFR 63.783(a), for each batch of coating received. Subpart II. [40 CFR 63.785(a)(1)]
- 77 Certify the as-supplied VOC content of the batch of coating, for each batch of coating received. Subpart II. [40 CFR 63.785(a)(2)]
- 78 Determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785(c)(1) through (c)(4). Determine the procedure used for each coating and document prior to application. Subpart II. [40 CFR 63.785(b)(1)]
- 79 Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Certify the as-applied VOC content of each batch of coating. Subpart II. [40 CFR 63.785(c)(1)(i)]
- 80 Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Notify the persons responsible for applying the coating that no thinning solvent may be added to the coating by affixing a label to each container of coating in the batch or through another means described in the implementation plan required in 40 CFR 63.787(b). Subpart II. [40 CFR 63.785(c)(1)(ii)]
- 81 Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: The certified as-applied VOC content of each batch of coating used during a calendar month must be less than or equal to the applicable VOHAP limit in 40 CFR 63.783(a). Subpart II. [40 CFR 63.785(c)(1)(iii)]
- 82 Coatings to which thinning solvent is routinely or sometimes added: Designate a single thinner for the coating and calculate the maximum allowable thinning ratio(s) for each batch using 40 CFR 63.785(c)(2)(i) Equations 1 and 2, prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(i)]
- 83 Coatings to which thinning solvent is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch of the coating by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(ii)]
- 84 Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of each batch of the coating used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iii)]
- 85 Coatings to which thinning solvent is routinely or sometimes added: Determine the total allowable volume of thinner for the coating used during the previous month using 40 CFR 63.785(c)(2)(iv) Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iv)]
- 86 Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of thinner actually used with the coating during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(v)]
- 87 Coatings to which thinning solvent is routinely or sometimes added: The volume of thinner actually used with the coating [determined in 40 CFR 63.785(c)(3)(v)] must be less than or equal to the total allowable volume of thinner for the coating [determined in 40 CFR 63.785(c)(3)(iv)]. Subpart II. [40 CFR 63.785(c)(2)(vi)]
- 88 Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Designate a single thinner to be added to each coating during the month and "group" coatings according to their designated thinner. Subpart II. [40 CFR 63.785(c)(3)(i)]
- 89 Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Calculate the maximum allowable thinning ratio(s) for each batch of coating in the group using the equations in 40 CFR 63.785(c)(2), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(3)(ii)]

SPECIFIC REQUIREMENTS**AI ID:** 691 - Morgan City Fabrication Facility**Activity Number:** PER20040006**Permit Number:** 0200-00009-V3**Air - Title V Regular Permit Renewal****1-95A Outdoor Painting - Shipbuilding****ARE008**

- 90 Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch in the group by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each "batch". Subpart II. [40 CFR 63.785(c)(3)(iii)]
- 91 Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of each batch of the group used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(iv)]
- 92 Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the total allowable volume of thinner for the group for the previous month using 40 CFR 63 Subpart II Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(v)]
- 93 Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of thinner actually used with the group during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(vi)]
- 94 Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: The volume of thinner actually used with the group [determined in 40 CFR 63.785(c)(3)(vi)] must be less than or equal to the total allowable volume of thinner for the group [determined in 40 CFR 63.785(c)(3)(v)]. Subpart II. [40 CFR 63.785(c)(3)(vii)]

- 95 Use or ensure that the manufacturer uses the form and procedures mentioned in 40 CFR 63 Subpart II Appendix A to determine values for thinner and coating parameters used in 40 CFR 63 Subpart II Equations 1 and 2. Ensure that the coating/thinner manufacturer (or supplier) provides information on the VOC and VOHAP contents of the coatings/thinners and the procedure(s) used to determine these values. Subpart II. [40 CFR 63.786(d)]
- 96 Determine compliance with 40 CFR 63.785(c)(1) through (c)(4) using the methods specified in 40 CFR 63.786(a) through (c), as applicable. Subpart II. [40 CFR 63.786]
- 97 Comply with all applicable notification requirements in 40 CFR 63.9(a) through (d) and (i) through (j), with the exception that the deadline specified in 40 CFR 63.9(b)(2) and (3) shall be extended from 120 days to 180 days. Subpart II. [40 CFR 63.787(a)]
- 98 Comply with the applicable requirements of 40 CFR 63.9(e) through (h). Subpart II. [40 CFR 63.787(a)]
- 99 Prepare a written implementation plan that addresses each of the subject areas specified in 40 CFR 63.787(b)(3). Subpart II. [40 CFR 63.787(b)(1)]
- 100 Comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f). Subpart II. [40 CFR 63.788(a)]
- 101 Comply with the applicable recordkeeping and reporting requirements of 40 CFR 63.10(c) and (e). Subpart II. [40 CFR 63.788(a)]
- 102 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in 40 CFR 63.788(b)(1) through (b)(4), as applicable, for a minimum of 5 years. Subpart II. [40 CFR 63.788(b)]
- 103 Submit report: Due before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784. Submit all of the information that must be retained pursuant to 40 CFR 63.788(b)(2) and (b)(3), except for that information specified in 40 CFR 63.788(b)(2)(i) and (b)(2)(ii), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, also report the information specified in 40 CFR 63.788(b)(4) for the reporting period during which the violation(s) occurred. To the extent possible, organize the report according to the compliance procedure(s) followed each month. Subpart II. [40 CFR 63.788(c)]

2-95A Outdoor Blasting - Shipbuilding**ARE009**

- 104 Total suspended particulate <= 3.86 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33.III.1311.B]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

ARE009 2-95A Outdoor Blasting - Shipbuilding

105 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The below listed conditions are determined to constitute MACT for outdoor blasting.

1. Permittee shall shroud equipment/components being blasted (outdoor) to the extent that is practicable. Shrouds shall have a shade factor of 80% or greater and tears greater than one (1) foot in length must be repaired prior to use.

2. Permittee shall not conduct outdoor blasting when sustained wind speed is in excess of 15 miles per hour. [LAC 33:III.5109.A]

ARE010 1-96A Solvent Cleaning - Shipbuilding

106 Reduce emissions, where feasible, by incineration, provided 90 percent of the carbon in the organic compounds being incinerated is oxidized to carbon dioxide (except as provided in LAC 33:III.2123.D); carbon adsorption of the organic compounds; or any other equivalent means as may be approved by DEQ. [LAC 33:III.2123.A]

107 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E. 1 through E.6, as appropriate. [LAC 33:III.2123.E]

108 Retain Liquids recordkeeping by electronic or hard copy monthly. Keep records of the amount of solvent purchased. Document the solvent composition. Documentation of data used to calculate ratio of VOC (MSDS and/or paint analysis). Maintain records on site for 5 years and make records available for inspection by DEQ personnel upon request.

Semi-annual reports shall be submitted on July 31 and January 31 to cover semi-annual periods of January 1 to June 30 and July 1 to December 31, respectively. [LAC 33:III.501.C.6]

109 Ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. Subpart II. [40 CFR 63.783(b)(1)]

110 Ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. Subpart II. [40 CFR 63.783(b)(2)]

ARE011 4-06 Joint Insulation

111 Comply with the requirements LAC 33:III.2123.C.11 titled "Surface Coating for Marine Vessels and Oilfield Tubulars and Ancillary Oilfield Equipment. [LAC 33:III.2123.C.11]

112 High performance coating operations: Organic HAP <= 27.5 lb/gal (3.3 kg/L) coating solids used during each 12-month compliance period. Subpart MMMMM. [40 CFR 63.3890(a)(2)]

Which Months: All Year Statistical Basis: None specified

113 Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. Subpart MMMMM. [40 CFR 63.3891(a)]

114 Demonstrate initial compliance with the emission limitations in 40 CFR 63.3890 using the test methods and procedures specified in 40 CFR 63.3941(a) through (e). Conduct a separate initial compliance demonstration for each general use, high performance, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation, unless compliance is being demonstrated with a predominant activity or facility-specific emission limit as provided in 40 CFR 63.3890(c). Subpart MMMMM. [40 CFR 63.3941]

115 Use no coating for which the organic HAP content (determined using Equation 2 of 40 CFR 63.3941) exceeds the applicable emission limit in 40 CFR 63.3890, and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to 40 CFR 63.3941(a). If complying with a facility-specific emission limit under 40 CFR 63.3890(c), also perform the calculation using Equation 1 in 40 CFR 63.3890(c)(2) on a monthly basis using the data from the previous 12 months of operation. Subpart MMMMM. [40 CFR 63.3942(a)]

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-0009-V3
Air - Title V Regular Permit Renewal

ARE011 **4-06** **Joint Insulation**

116 Identify the coating operation(s) for which the compliant material option was used, and submit as part of each semiannual compliance report required by 40 CFR 63.3920. If there were no deviations from the applicable emission limit in 40 CFR 63.3890, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because no coatings were used for which the organic HAP content exceeded the applicable emission limit in 40 CFR 63.3890, and no thinner and/or other additive, or cleaning material was used that contained organic HAP, determined according to 40 CFR 63.3941(a). Subpart MMMM. [40 CFR 63.3942(c)]

EQT016 **3-95** **Steel Cutting, Natural Gas**

117 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1.305.1-7. [LAC 33:III.1.305]
 118 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No control has been determined to be MACT. [LAC 33:III.5.109.A]

EQT017 **5-95** **T9 Gasoline Tank**

119 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
 120 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]

EQT018 **7-95** **T36 Solvent Tank**

121 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
 122 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
 123 Ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. Subpart II. [40 CFR 63.783(b)(1)]
 124 Ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. Subpart II. [40 CFR 63.783(b)(2)]

EQT019 **8-95** **T37 Solvent Tank**

125 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
 126 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
 127 Ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. Subpart II. [40 CFR 63.783(b)(1)]
 128 Ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. Subpart II. [40 CFR 63.783(b)(2)]

EQT020 **9-95** **Welding**

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

EQT020 9-95 Welding

- 129 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
 Which Months: All Year Statistical Basis: Six-minute average
 130 Manganese <= 0.166 lb/hr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Hourly maximum
 131 Manganese <= 0.166 lb/hr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Hourly average
 132 Manganese <= 0.595 tons/yr. [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: Annual maximum
 133 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The below listed measures have been determined to constitute a MACT:
1. Use Metal Inert Gas (MIG) welding whenever possible.
 2. Provide employee training on weld deposition efficiency. [LAC 33:III.5109.A]

EQT021 5-96 Air Compressor Driver Commissioning

- 134 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
 Which Months: All Year Statistical Basis: None specified
 135 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
 Which Months: All Year Statistical Basis: Six-minute average
 136 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

EQT022 6-96 Turbine Commissioning

- 137 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
 Which Months: All Year Statistical Basis: None specified
 138 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
 Which Months: All Year Statistical Basis: Six-minute average
 139 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

EQT024 2-99 Air Compressor

SPECIFIC REQUIREMENTS**AI ID:** 691 - Morgan City Fabrication Facility**Activity Number:** PER20040006**Permit Number:** 0200-00009-V3**Air - Title V Regular Permit Renewal****EQT024 2-99 Air Compressor**

140 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

141 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
142 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

EQT026 4-99 Air Compressor

143 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

144 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
145 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

EQT027 5-99 Air Compressor

146 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

147 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
148 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

EQT030 8-99 Backup Generator

149 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

150 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
151 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

SPECIFIC REQUIREMENTS**AI ID:** 691 - Morgan City Fabrication Facility**Activity Number:** PER20040006**Permit Number:** 0200-00009-V3**Air - Title V Regular Permit Renewal****EQT031 9-99 Backup Generator**

152 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

153 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

154 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III. Chapter 15. [LAC 33:III.1513]

EQT032 10-99 Drainage Pump

155 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

156 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

157 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III. Chapter 15. [LAC 33:III.1513]

EQT033 11-99 Stormwater Backup Pump

158 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

159 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

160 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III. Chapter 15. [LAC 33:III.1513]

EQT034 12-99 Stormwater Backup Pump

161 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

162 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS**AI ID: 691 - Morgan City Fabrication Facility****Activity Number: PER20040006****Permit Number: 0200-00009-V3****Air - Title V Regular Permit Renewal****EQT034 12-99 Stormwater Backup Pump**

163 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

EQT035 13-99 Fire Water Pump

164 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

165 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

166 Sulfur dioxide recordkeeping by electronic or hard copy annually. Retain records on site for at least two years the data required to demonstrate compliance with or exemption from the provisions of LAC 33:III.Chapter 15. [LAC 33:III.1513]

EQT039 1-04 Marine Backup Diesel Generator

167 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

168 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

EQT040 2-04 Abrasive Silos (Hoppers)

169 Total suspended particulate <= 4.55 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]

Which Months: All Year Statistical Basis: None specified

170 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintain baghouse with a 98% particulate removal efficiency constitutes MACT. [LAC 33:III.5109.A]

EQT041 5-04 Heating Table No. 1

171 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

172 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]

EQT042 6-04 Heating Table No. 2

SPECIFIC REQUIREMENTS**AI ID:** 691 - Morgan City Fabrication Facility**Activity Number:** PER20040006**Permit Number:** 0200-00009-V3**Air - Title V Regular Permit Renewal****EQT042 6-04 Heating Table No. 2**

173 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

174 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]

EQT043 7-04 West Yard Gasoline Tank

175 Equip with a submerged fill pipe. [LAC 33:III.2103.A]

176 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable. [LAC 33:III.2103.1]

EQT044 9-95A Welding - Shipbuilding

177 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

178 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The below listed measures have been determined to constitute a MACT:

1. Use Metal Inert Gas (MIG) welding whenever possible.
2. Provide employee training on weld deposition efficiency. [LAC 33:III.5109.A]

EQT045 3-95A Steel Cutting, Natural Gas - Shipbuilding

179 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

180 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No control has been determined to be MACT. [LAC 33:III.5109.A]

EQT046 1-06 Jointing Welding Emissions

181 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]

182 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

EQT046 1-06 Jointing Welding Emissions

183 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. The below listed measures have been determined to constitute a MACT:

1. Use Metal Inert Gas (MIG) welding whenever possible.
2. Provide employee training on weld deposition efficiency. [LAC 33:III.5109.A]

EQT047 3-04 Abrasive Silo Unloading (Sand Pot Filling)

184 Total suspended particulate <= 4.55 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]

Which Months: All Year Statistical Basis: None specified

185 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No control has been determined to be MACT. [LAC 33:III.5109.A]

EQT048 6-95A Rotoblast No. 1 Dust Collector

186 Total suspended particulate <= 77.60 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]

Which Months: All Year Statistical Basis: None specified

187 Particulate matter (10 microns or less) <= 0.02 gr/sdcf. [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

188 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT has been determined to be control of the wheelabrator or rotoblast dust collector particulate matter (PM10) emissions to less than or equal 0.02 grains/sdcf. [LAC 33:III.5109.A]

189 The observer shall be trained on Reference Method 22 and follow Method 22-like procedures during visual inspection. [40 CFR 64.3(b)(3)]

190 Calibrate the pressure gauge/censor quarterly. Check pressure taps for plugging daily. Replace and/or clean the baghouse every six months and when monitoring results warrants. [40 CFR 64.3(b)(3)]

191 Baghouse vent: Visible emissions monitored by visual inspection/determination daily during operation of the rotoblast dust collector. A six (6) minute observation will be performed using EPA Method 22-like procedures during visual inspection. [40 CFR 64.6(c)(1)]

Which Months: All Year Statistical Basis: None specified

192 Pressure drop monitored by technically sound method continuously. [40 CFR 64.6(c)(1)]

Which Months: All Year Statistical Basis: None specified

193 An excursion or exceedance is defined as the presence of visible emissions. [40 CFR 64.6(c)(2)]

194 An excursion or exceedance is defined as a pressure drop greater than 5 in. H2O or the drop established by the initial performance test whichever is less. [40 CFR 64.6(c)(2)]

195 Pressure drop recordkeeping by electronic or hard copy daily. Keep records on site for at least five years and make them available for inspection by EPA and/or DEQ personnel. [40 CFR 64.6(c)(4)]

196 Conduct a performance test to verify that the PM10 concentration is less than or equal to 0.02 gr/sdcf and to establish the corresponding baghouse pressure drop range which correlates with the stated limit. Also establish the pressure drop which corresponds to by-passing the baghouse and releasing directly to the atmosphere. [40 CFR 64.6(d)]

197 Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]

198 Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

EQT048 6-95A Rotoblast No. 1 Dust Collector

- 199 Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the rotoblast dust collector vent is operating. [40 CFR 64.7(c)]
- 200 Restore operation of the rotoblast (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance. [40 CFR 64.7(d)(1)]
- 201 Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the LAC 33:III.1311.C standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 202 Five is the threshold limit of excursions or exceedances at which implementation of a QIP is required. [40 CFR 64.8(a)]
- 203 Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 204 Visible emissions recordkeeping by electronic or hard copy daily. Maintain these records for a period of at least five years on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.9(b)(1)]

EQT049 6-95B Rotoblast No. 2 Dust Collector

- 205 Total suspended particulate <= 77.60 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
- Which Months: All Year Statistical Basis: None specified
- 206 Particulate matter (10 microns or less) <= 0.02 gr/sdcf. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 207 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT has been determined to be control of the wheelabrator or rotoblast dust collector particulate matter (PM10) emissions to less than or equal 0.02 grains/sdcf. [LAC 33:III.5109.A]
- 208 The observer shall be trained on Reference Method 22 and follow Method 22-like procedures during visual inspection. [40 CFR 64.3(b)(3)]
- 209 Calibrate the pressure gauge/censor quarterly. Check pressure taps for plugging daily. Replace and/or clean the baghouse every six months and when monitoring results warrants. [40 CFR 64.3(b)(3)]
- 210 Baghouse: Visible emissions monitored by technically sound method continuously during operation of the rotoblast dust collector. A six (6) minute observation will be performed using EPA Method 22-like procedures during visual inspection. [40 CFR 64.6(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- 211 Pressure drop monitored by technically sound method continuously. [40 CFR 64.6(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- 212 An excursion or exceedance is defined as the presence of visible emissions. [40 CFR 64.6(c)(2)]
- 213 An excursion or exceedance is defined as a pressure drop greater than 5 in. H₂O or the drop established by the initial performance test whichever is less. [40 CFR 64.6(c)(2)]
- 214 Pressure drop recordkeeping by electronic or hard copy daily. Keep records on site for at least five years and make them available for inspection by EPA and/or DEQ personnel. [40 CFR 64.6(c)(4)]
- 215 Conduct a performance test to verify that the PM10 concentration is less than or equal to 0.02 gr/sdcf and to establish the corresponding baghouse pressure drop range which correlates with the stated limit. Also establish the pressure drop which corresponds to by-passing the baghouse and releasing directly to the atmosphere. [40 CFR 64.6(d)]

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
 Activity Number: PER20040006
 Permit Number: 0200-00009-V3
 Air - Title V Regular Permit Renewal

EQT049 6-95B Rotoblast No. 2 Dust Collector

- 216 Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- 217 Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- 218 Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the rotoblast (wheelablator) dust collector vent is operating. [40 CFR 64.7(c)]
- 219 Restore operation of the wheelablator or rotoblast (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance. [40 CFR 64.7(d)(1)]
- 220 Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the LAC 33:III.1311.C standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 221 Five is the threshold limit of excursions or exceedances at which implementation of a QIP is required. [40 CFR 64.8(a)]
- 222 Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 223 Monitoring data recordkeeping by electronic or hard copy daily. Maintain these records for a period of at least five years on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.9(b)(1)]

EQT050 6-95C Plate Blaster Dust Collector

- 224 Total suspended particulate <= 77.60 lb/hr. The rate of emission shall be the total of all emission points from the source. [LAC 33:III.1311.B]
- Which Months: All Year Statistical Basis: None specified
- 225 Particulate matter (10 microns or less) <= 0.02 gr/dscf. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified
- 226 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT has been determined to be control of the wheelablator or rotoblast dust collector particulate matter (PM10) emissions to less than or equal 0.02 grains/sdcf. [LAC 33:III.5109.A]
- 227 The observer shall be trained on Reference Method 22 and follow Method 22-like procedures during visual inspection. [40 CFR 64.3(b)(3)]
- 228 Calibrate the pressure gauge/censor quarterly. Check pressure taps for plugging daily. Replace and/or clean the baghouse every six months and when monitoring results warrants. [40 CFR 64.3(b)(3)]
- 229 Baghouse vent: Visible emissions monitored by technically sound method daily during operation of the rotoblast dust collector. A six (6) minute observation will be performed using EPA Method 22-like procedures during visual inspection. [40 CFR 64.6(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- 230 Pressure drop monitored by technically sound method continuously. [40 CFR 64.6(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- 231 An excursion or exceedance is defined as the presence of visible emissions. [40 CFR 64.6(c)(2)]
- 232 An excursion or exceedance is defined as a pressure drop greater than 5 in. H2O or the drop established by the initial performance test whichever is less. [40 CFR 64.6(c)(2)]

SPECIFIC REQUIREMENTS**AI ID:** 691 - Morgan City Fabrication Facility**Activity Number:** PER20040006**Permit Number:** 0200-00009-V3**Air - Title V Regular Permit Renewal****EQT050 6-95C Plate Blaster Dust Collector**

- 233 Pressure drop recordkeeping by electronic or hard copy daily. Keep records on site for at least five years and make them available for inspection by EPA and/or DEQ personnel. [40 CFR 64.6(c)(4)]
- 234 Conduct a performance test to verify that the PM10 concentration is less than or equal to 0.02 gr/sdcf and to establish the corresponding baghouse pressure drop range which correlates with the stated limit. Also establish the pressure drop which corresponds to by-passing the baghouse and releasing directly to the atmosphere. [40 CFR 64.6(d)]
- 235 Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- 236 Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- 237 Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the rotoblast dust collector vent is operating. [40 CFR 64.7(c)]
- 238 Restore operation of the wheelabrator or rotoblast (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance. [40 CFR 64.7(d)(1)]
- 239 Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the LAC 33:III.1311.C standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 240 Five is the threshold limit of excursions or exceedances at which implementation of a QIP is required. [40 CFR 64.8(a)]
- 241 Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 242 Visible emissions recordkeeping by electronic or hard copy daily. Maintain these records for a period of at least five years on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.9(b)(1)]

EQT051 2-06 Joint Blaster Dust Collector

- 243 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
- 244 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 245 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
- 246 The particulate matter (PM10) removal efficiency of the dust collector must be at least 99%. [LAC 33:III.501.C.6]
- 247 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT has been determined to control the dust collector with a baghouse with a particulate matter removal efficiency >= 98%. [LAC 33:III.5109.A]

EQT052 3-06 FBE Application Dust Collector

SPECIFIC REQUIREMENTS**AI ID: 691 - Morgan City Fabrication Facility****Activity Number: PER20040006****Permit Number: 0200-00009-V3****Air - Title V Regular Permit Renewal****EQT052 3-06 FBE Application Dust Collector**

- 248 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average
- 249 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [LAC 33:III.501.C.6]

- Which Months: All Year Statistical Basis: None specified
- 250 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

- 251 Particulate matter (10 microns or less) >= 99 % removal efficiency from filter manufacturer's certification. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: None specified

- 252 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT has been determined to control the dust collector with a baghouse with a particulate matter removal efficiency >= 99%. [LAC 33:III.5109.A]

FUG001 10-95 Fugitive Emissions

- 253 Equip all rotary pumps and compressors with mechanical seals. [LAC 33:III.2111]

GRP003 Morgan City Fabrication Facility

- 254 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 255 Outdoor burning of waste material or other combustible material 1 is prohibited. [LAC 33:III.1109.B]
- 256 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]
- 257 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 258 Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate. [LAC 33:III.2123.E]
- 259 Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123. [LAC 33:III.2123.H]
- 260 VOC, Total recordkeeping by electronic or hard copy monthly. Calculate and record the net VOC emissions from usage of solvents. [LAC 33:III.2151.E]
- 261 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.2119]
- 262 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 263 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 264 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Air Permits Division, as required in accordance with the procedures in LAC 33:III Chapter 5. [LAC 33:III.501.C.1]

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

GRP003 Morgan City Fabrication Facility

- 265 Particulate matter (10 microns or less) <= 129.94 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 266 Nitrogen oxides <= 67.91 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 267 Carbon monoxide <= 72.34 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 268 VOC, Total <= 265.51 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 269 Benzene <= 0.076 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 270 Barium (and compounds) <= 0.441 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 271 Cadmium (and compounds) <= 0.005 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 272 Chromium VI (and compounds) <= 0.008 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 273 Copper (and compounds) <= 0.259 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 274 Cumene <= 1.173 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 275 Ethyl benzene <= 14.846 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 276 Ethylene glycol <= 0.947 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 277 Formaldehyde <= 0.458 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 278 Glycol ethers (Table 51.3) <= 3.002 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 279 Dichloromethane <= 0.034 tons/yr.
 - AKA Methylene Chloride. [LAC 33:III.501.C.6]
- 280 Lead compounds <= 6.365 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 281 Manganese (and compounds) <= 0.656 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 282 Methanol <= 61.583 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 283 Methyl ethyl ketone <= 14.751 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

GRP003 Morgan City Fabrication Facility

- 284 n-Hexane <= 0.744 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 285 Nickel (and compounds) <= 0.118 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 286 Toluene <= 67.626 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 287 Xylene (mixed isomers) <= 52.968 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 288 Zinc (and compounds) <= 28.234 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 289 Naphthalene (and Methyl naphthalenes) <= 0.693 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 290 2-nitro-Propane <= 0.013 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 291 Ammonia <= 0.013 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 292 DiButyl phthalate <= 0.013 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 293 Methyl isobutyl ketone <= 0.978 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 294 Methylene diphenyl diisocyanate <= 0.006 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 295 Nitric acid <= 0.013 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 296 Phenol <= 0.051 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 297 Polynuclear Aromatic Hydrocarbons <= 0.003 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 298 Sulfur dioxide <= 1.66 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 299 Cobalt compounds <= 0.002 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 300 Styrene <= 0.001 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 301 1,4-Dichlorobenzene <= 0.047 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 302 Total Toxic air pollutants (TAP) <= 259.769 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS**AI ID: 691 - Morgan City Fabrication Facility****Activity Number: PER20040006****Permit Number: 0200-00009-V3****Air - Title V Regular Permit Renewal****GRP003 Morgan City Fabrication Facility**

- 303 Toxic air pollutants (TAP): Use of any material containing a TAP listed in Tables 51.1, 51.2, or 51.3 of LAC 33:III.5112 shall be permitted provided that its use does not cause the total annual emissions of TAPs to exceed 259.769 tons/yr. Total emission of any TAP for which this permit does not list a facility-wide shall be below, during any twelve consecutive month period, the Minimum Emission Rate (MER) for that TAP as listed in Table 51.1 of LAC 33:III.5112. These emissions shall be calculated by the same methods initially used in estimating these emissions, or using the latest approved suitable methods (mass balance, emission factors, test results, etc.). Noncompliance with any or both of these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if either or both of the annual total TAP exceeds the corresponding maximum listed in this specific condition for any twelve consecutive month-period. [LAC 33:III.501.C.6]
- 304 Epichlorohydrin <= 0.001 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
305 Tetrachloroethylene <= 0.058 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
306 Methyl Tertiary Butyl Ether <= 0.499 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
307 Hexamethylene diisocyanate <= 0.002 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
308 2,2,4-Trimethylpentane <= 0.080 tons/yr
AKA Isooctane. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
309 VOC, Total <= 3.50 lb/gal of coating as applied (minus water and exempt solvent), where technically feasible, complying with the "Louisiana Shipbuilding and Ship Repair Facilities and Outdoor Surface Coating of Large Structures, MACT Determination dated November 13, 1995". Use coatings such as inorganic zinc primer or high temperature coatings with 5.41 lbs VOC per gallon or less which complies with the LA Shipyard MACT Determination, dated November 13, 1995. Compliance shall be demonstrated using a calendar monthly average. An enhanced administrative and data control system will support air quality reporting of toxic air pollutant emissions. [LAC 33:III.501.C.]
- Which Months: All Year Statistical Basis: Daily average
310 n-butyl alcohol <= 3.002 tons/yr. [LAC 33:III.501.C.6]
- Which Months: All Year Statistical Basis: Annual maximum
311 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 312 Any Part 70 source for which construction or operation has begun prior to the effective date of LAC 33:III.507 shall submit an application for an initial Part 70 permit. Permit applications shall be prepared in accordance with LAC 33:III.517 and with forms and guidance provided by DEQ, and shall be submitted no later than one year after the effective date of the Louisiana Part 70 program. [LAC 33:III.507.C.1]
- 313 Any source that becomes subject to the requirements of LAC 33:III.507 after the effective date of the Louisiana Part 70 program due to regulations promulgated by the Environmental Protection Agency or by the Department of Environmental Quality shall submit an application to the Office of Environmental Services, Air Permits Division, in accordance with the requirements established by the applicable regulation. In no case shall the required application be submitted later than one year from the date on which the source first becomes subject to LAC 33:III.507. [LAC 33:III.507.C.3]
- 314 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 315 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LESHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]

SPECIFIC REQUIREMENTS

AJ ID: 691 - Morgan City Fabrication Facility
Activity Number: PER20040006
Permit Number: 0200-00009-V3
Air - Title V Regular Permit Renewal

GRP003 Morgan City Fabrication Facility

- 316 A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit. [LAC 33:III.509.J.3]
- 317 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 318 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 319 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 320 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 321 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 322 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 323 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services Division, Single Point of Contact (SPOC), except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:III.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.2]
- 324 Submit notification: Due to the Office of Environmental Compliance, Emergency and Radiological Services, SPOC, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Submit notification in the manner provided in LAC 33:III.3923. [LAC 33:III.5107.B.3]
- 325 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 326 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 327 Submit to DEQ a compliance plan for achieving compliance with MACT requirements in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E. [LAC 33:III.5109.A.1]
- 328 Submit to DEQ a certification of compliance with all MACT requirements, in accordance with LAC 33:III.5109.D. Include the elements listed in LAC 33:III.5109.E. [LAC 33:III.5109.A.2]
- 329 Submit to DEQ a compliance plan for achieving compliance with the ambient air standard(s), in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E. [LAC 33:III.5109.B.1]

SPECIFIC REQUIREMENTS**AI ID: 691 - Morgan City Fabrication Facility****Activity Number: PER20040006****Permit Number: 0200-00009-V3****Air - Title V Regular Permit Renewal****GRP003 Morgan City Fabrication Facility**

- 330 Submit to DEQ a certification of compliance with all ambient air standards, in accordance with LAC 33:III.5109.D. Include the elements listed under LAC 33:III.5109.E. [LAC 33:III.5109.B.2]
- 331 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]
- 332 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]
- 333 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 334 (a) The facility shall maintain records of the amount of paint thinner and solvent purchased, documentation of the composition of the paint "as applied", in pounds of VOC (solvent and thinner) per gallon of paint by each marine coating category.
- (b) The VOC content of paint may be estimated from the Material Safety Data Sheet or other manufacturer's data and/or analyses. If a range is given use the maximum percentage for each component. A more accurate estimate can be based on an analysis of the paint using 40 CFR 60, Appendix A, Method 24.
- (c) The owner or operator shall maintain records of solvent and paint usage starting no later than September 20, 1996. MSDSs and/or paint analysis shall be available for all paints used. Such records shall be maintained for a minimum of five years
- (d) The facility shall maintain all documentation required to calculate the ratio of VOC to surface coatings as applied by each category for all rolling 90 day periods. Such documentation shall be maintained for a minimum of five years Liquids (surrogate for VOC fraction) recordkeeping by electronic or hard copy monthly. [LAC 33:III.5109]
- 335 Monitor the ratio of VOC to surface coating as applied using a calendar monthly average. Composition of the paint (include thinner and solvent) "as applied" in pounds per gallon for each marine coating category Liquids (surrogate for VOC fraction) monitored by material balance monthly. [LAC 33:III.5109]
- Which Months: All Year Statistical Basis: None specified
- 336 Submit notification. Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.511]
- 337 Obtain a Louisiana Air Permit in accordance with LAC 33:III.511.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 338 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 339 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 340 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 341 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 342 Provide emission testing facilities as specified in LAC 33:III.5113.B.4 through e. [LAC 33:III.5113.B.4]
- 343 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 344 Submit certified letter: Due to the Office of Environmental Assessment, Air Quality Assessment Division, before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]

SPECIFIC REQUIREMENTS**AI ID:** 691 - Morgan City Fabrication Facility**Activity Number:** PER20040006**Permit Number:** 0200-00009-V3**Air - Title V Regular Permit Renewal****GRP003 Morgan City Fabrication Facility**

- 345 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 346 Submit notification: Due to the Office of Environmental Assessment, Air Quality Assessment Division, at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 347 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 348 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]
- 349 Submit performance evaluation report: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 350 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 351 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 352 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 353 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 354 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 355 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 356 Submit plan: Due to the Office of Environmental Assessment, Air Quality Assessment Division, within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 357 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 358 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III. Chapter 5 prior to approval by the permitting authority. [LAC 33:III.5117.A.1]
- 359 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.5117.B.1]
- 360 Submit supplementary facts or corrected information: Due promptly upon becoming aware of failure to submit or incorrect submittal regarding permit applications. In addition, provide information as necessary to address any requirements that become applicable to the source after the date of filing a complete application but prior to release of a proposed permit. [LAC 33:III.5117.C]

SPECIFIC REQUIREMENTS**AI ID: 691 - Morgan City Fabrication Facility****Activity Number: PER20040006****Permit Number: 0200-00009-V3****Air - Title V Regular Permit Renewal****GRP003 Morgan City Fabrication Facility**

- 361 Submit applications for permits in accordance with forms and guidance provided by the DEQ. At a minimum, each permit application submitted under LAC 33:III:Chapter 5 shall contain the information specified in LAC 33:III:517.D, subparagraphs 1-18. [LAC 33:III:517.D]
- 362 In addition to those elements listed under LAC 33:III:517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III:517.E, Subparagraphs 1-8. [LAC 33:III:517.E]
- 363 Submit change of ownership notification in accordance with LAC 33:I.Chapter 19. [LAC 33:III:517.G]
- 364 Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency. Due within 30 days after requested by the administrative authority. [LAC 33:III:561.1.A]
- 365 During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations. [LAC 33:III:561.1.B]
- 366 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III:5901. [LAC 33:III:5901.A]
- 367 Submit Emission Inventory (E) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III:919.A-D. [LAC 33:III:919.D]
- 368 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 369 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 370 Liquids: The facility must comply with all applicable provisions of 40 CFR 63 Subpart MMMMM - "National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products", promulgated January 2, 2004 - by the applicable date. [40 CFR 63 Subpart(MMMM)]
- 371 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart II. [40 CFR 63]
- 372 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 373 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 374 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 375 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]